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December 1, 1981

STS Facility and Equipment Design Plan

Volume 81
Communications

SPACE SHUTTLE

National Aeronautics and
Space Administration

John F. Kennedy Space Center

KSC FORM 2-114B (5/80)

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FACILITY & EQUIPMENT DESIGN PLAN

VOLUME 81

DECEMBER 1, 1981

REVISION 11

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1. CLASSIFICATION K-SM-10.2.81

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10. LOCATION				

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10. LOCATION			

8. ITEM NO.

11. INTRODUCTION

PURPOSE

The Support Equipment and Facilities (SE/FAC) Plans and Facility and Equipment Design Plans collectively correlate Kennedy Space Center (KSC) Shuttle support requirements to the support equipment and support systems configurations (station sets) needed to meet those requirments. A station set is defined as the accumulation of equipment and facilities at a particular site(s) required to support a particular function(s).

This document contains validated communications requirements at the Kennedy Space Center for which KSC is responsible in support of Shuttle, Payloads, and ground support activities and for off-site facilities that interface with KSC. This document further defines the implementation plans to those validated operational requirements.

SCOPE

Requirements for communications, as defined in the Station Set Requirements Document (SSRD) Station Set 81, have been reviewed and responded to in the Facility and Equipment Design Plan. The requirements were reviewed by a station set team and coordinated with appropriate centers.

The SE/FAC Plans and F&E Design Plans are prepared as an intermediate step between the identification of basic requirements (SSRDs) and the issuance of detailed station set specifications. These plans are not intended for use as engineering specifications, but contain baseline documentation for controlling requirements, requirement allocation, and the design concept of the station sets.

AUTHORITY

This document has been developed in accordance with the requirements of KPD 8040.6.

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PAGE TITLE:		2. REPLACES PAGE (S) v DATED 02-07-79	3. PAGE NO. v 4. DATE 12-01-81
5. PROGRAM TITLE: FFDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION			

8. ITEM NO.	11. REVISION CONTROL

This document will be updated as equipment designs mature and will constitute the specification for Station Set 81 in accordance with attachment A of KPD 8040.6.

ORGANIZATION

This document is organized in the following format:

Section A - This section lists the different facilities that require the same communications system(s) and also provides the traceability for requirement validation.

Section B - This section details the implementation plan for each specific communications system.

Section C - This section contains communication requirements for payloads.

Section D - This section lists the communication plans for Public Affairs on a system by system basis.

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PAGE TITLE: CHANGE NOTIFICAION		2. REPLACES PAGE (S) vi DATED 6-01-81	3. PAGE NO. vi 4. DATE 06-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION			

8. ITEM NO.	11. CHANGE DESCRIPTION
	This is a complete revision of FEDP Vol. 81 superseding and replacing Revision 10, date June 1, 1981, and all previous revisions. Changes made by Revision 11 are indicated by R in right margin.

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION A		2. REPLACES PAGE (S) DATED	3. PAGE NO. A-0-1
			4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5

10. LOCATION

8. ITEM NO.	11. FACILITY LOCATIONS BY COMMUNICATIONS SYSTEM
	This section lists the different facilities that require specific communications systems and also provides the traceability for requirement validation.

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JULY 70

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: OIS: SECTION A-1		2. REPLACES PAGE (S) DATED	3. PAGE NO. A-1-1
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8. ITEM NO.	11.

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SECTION A-1

FACILITY REQUIREMENTS

OIS

Station Set/SE-FAC	Facility
17	OLF
19	OPF
20	SVAC
22	MLP
23	PAD
21	HMF
28	LCC
29	SSME Maintenance
31	SRB Processing
33	ET Processing
35	SRB RSF
47	LETF
81	Communications

OIS for the above facilities have been validated and approved by CCBD SSP-00633 dated September 22, 1976.

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5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11. BASELINE REVIEW ACTION	
	RID #	ACTION
	81-K-TS-001	Adds OIS for TS, IN&SO
	81-K-DL-102	Adds OIS Room 3P15
	81-K-IN-005	Adds OIS CR2
	81-K-VO-010	Combines RF-OIS System (LCC-39 & Industrial Area). Into one 112 Channel System
	81-K-SP-004/2	Updates LCC Console Assignments
	81-K-IN-002/2	Admin Change
	81-K-SF-002	Adds OIS to Fire Console-1P10
	81-K-SF-003	Adds OIS to new consules =1IN1P10
	81-K-VO-054	Changes OIS Unit
	81-K-VO-052	Admin Change
	81-K-VO-051	Admin Change
	81-K-VO-048	Admin Change
	81-K-VO-047	Admin Change
	81-K-VO-046	Changes Type of OIS Unit
	81-K-VO-040	Admin Change
	81-K-VO-018	Adds OIS Units on PCR
	81-D-004	Admin Change
	81-K-VO-030	Admin Change
	81-K-VO-011	Admin Change
	81-K-VO-031	Admin Change
	81-K-VO-032	

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10. LOCATION			

8. ITEM NO.

11.

SECTION A-1

RID #	ACTION
81-K-VO-033	Admin Change
81-K-DE-2/1	Deletes OIS in OPF
81-K-DE-100	Deletes SSME OIS in VAB
81-K-DL-101	Adds OIS for new HIMS
81-K-VO-050	Updates LCC Console Assignments
81-K-VO-053	Admin Change
81-K-VO-020	Changes using Organizations, Incorporates CR 79599, 79601, 79602 & 79603

REVISION 2

CCBD #	ACTION
SSP01263	Change OIS unit from 52 to 51, Safety/Hurricane and Security/Hurricane consoles, Page B-1-9
SSP01321	Locates OIS Units in the LCC
SSP01320	...er pump station deleted-- deletes OIS units Page B-1-19

PAGE TITLE: OIS: SECTION A-1		2. REPLACES PAGE (S) DATED	3. PAGE NO. A-1-4
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5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11.

(Rev. 2 con't.)

Level 4
ESR80446

Changes 17A OIS Unit Room 1P10, LCC, Page B-1-9, to a 51 RF-OIS Unit

REVISION 3

CCBD#	ACTION
SSP01871	Reverse OMR & OSR CR-1
SSP01579	Add OIS Unit to OPF
SSP01743	Add OIS to PAD [redacted]
SSP01874	Reassigns seating in AA Management Console Area - LCC
SSP01880	Rearrange OIS Units in AA Management Console Area - LCC

CCBD#	ACTION
SSP01714	Delete RF-OIS Units on Crawler
SSP01754	Add RF-OIS Units to Crew Quarters in O&C
SSP01821	Adds OIS Units in HMF M7-961
SSP01822	Same as SSP01874 & SSP01880

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10. LOCATION			

8. ITEM NO.	11.

(Rev. 3 con't.)

PRB Vol. 81 Section C Special Review	Adds OIS to O&C for Spacelab
Baseline FEDP 70 7/25/77	Adds OIS for MPC
SSP01234	OIS for FCTB
SSP01945	Add 51 Unit AC-3
SSP02054	Change OIS Unit On MLP

Revision 4

SSP02285	Add 2 OIS 52 Units to OPF Rm 107
SSPU2120	Add OIS 53 Unit for MLP Rm 37A
SSP02047	Intercom for OTL
SSP00978R1	M7-1061, Relocate OIS 19 Unit
SSP02083	Isolate LC-39 & Industrial Area RF-OIS Systems
SSP01965	Replace 52 with 51 Unit and change console names LCC 1P9
SSP02264	Install 6 53 Units in Pad A & B Tech. Support Building

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5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11.

(Rev. 4 con't.)

SSP02387	Delete OIS HMF Bldg M7-1410
SSP02343	Add 5 each 53 & 52 Units in LCC CR-2, VO/Contrator QA Support Room
ESR 81856	Relocate 53 Unit from VAB 3C4 to 5E7
FEDP 71, DTD 1-1-78	Space Trailer OIS Requirements Update

REV 5

SSP02393	Add 3 OIS Units to MDD
SSP20201	Add 3 OIS Units to LETF
SSP02438	Add 3 OIS Units to M7-1061
SSP02521	Add 1 53 Unit to MLP 44A
SSP02553	Add 1 53 Unit to MLP 33B
SSP02538	Add 1 53 Unit to Pad Area (Sound Suppression)

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PAGE TITLE: OIS: SECTION A-1		2. REPLACES PAGE (S) DATED	3. PAGE NO. A-1-7 4. DATE 2-7-79
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10. LOCATION			

8. ITEM NO.	11. (Rev. 5 con't.)	
	SSP02812	Add 1 17 Unit to LETF E&O Support Room
	SSP10629	Change OIS Configuration RM 3P12 LCC
	SSP02952	Add 1 OIS Unit to OPF Area
	STS-00008	Add RF-OIS Units O&C, VPF for CITE.
	SSP02846 R1	Add temporary OIS Unit in Trailer at LACB, MDD.
	SSP02813	Add 22 OIS Stations to HMF Area
	SSP STS 00027	Add 2 OIS Units to PTCR
	SSP20267	Add 40 Type Unit to Photo Console
	SSP03026	Adds OIS units in CR-1 for OMR/OSR', CR-2 & 3P12
	STS00042	Reconfigure Crawler Transporters Comm System

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10. LOCATION			

8. ITEM NO.	11. Revision 6	
	SSP20364	Add OIS to OPF
	SSP20361	Add OIS to PTCR, FSS & RSS
	SSP20362	Add OIS to OPF
	SSP20392	Add OIS to LCC Rm. 2P20
	SSP20402	Add OIS to OPF
	SSP20403	Add OIS to M7-1061
	SSP20421	Add OIS to Pad Control Bldg.
	SSP20466	Add OIS to O&C PGSE Lab
	SSP20440	Add OIS for APU Hot fire
	SSP20455	Add OIS to HMF Rm. 111 M7-1061
	SSP20414	Add OIS in O&C
	STS00039	Add OIS to HB-3 VAB

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PAGE TITLE: OIS: SECTION A-1		2. REPLACES PAGE (S)	3. PAGE NO. A-1-9
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10. LOCATION			

8. ITEM NO.	11. Rev. 6 (con't.)	
	SSP20400	Add OIS to LCC for MET Support
	SSP20474	Add OIS VAB Rm 10B23
	SSP20479	Add OIS Rm. 3R42CC
	SSP20363	Add OIS Units 3P1, 3P2 & Under 3P19
	SSP20491	Add 1 OIS Unit in OPF HB-1
	SSP20396	Relocate OIS Unit in 2P17 LCC
	SSP20439	Add OIS Units for APU Hot fire test
	SSP20522	Reconfigure AB-3, AB-4 51 Audio Configuration
	SSP02862 R1	Add OIS for Abort Advisory
	SSP20393	Add 8 OIS Units to MDD
	SSP20336	Add 8 OIS Units to L7-888 Training Suite
	SSP20525	Relocate OIS Unit FRM Rm. 3266 to 3277B in O&C

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10. LOCATION			

8. ITEM NO.	11.

(Rev. 6 con't.)

SPA20000	Add 4 OIS Units Rm. 1263 O&C
SSP20541	Add 1 OIS Unit Rm. 4P2.E in LCC
SSP20548	Add 1 OIS OPF B1, B2, Platform is
SSP20549	Add 1 OIS Rm. 3P17 & 1 OIS Rm. 3P14A in LCC
SMM00018 R1	Add OIS to Canister Transporter

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10. LOCATION		Rev 7		

11. CCBD#	ESR#	SUBJECT	CCBD#	ESR#	SUBJECT
SMM20008	82572	Add OIS for CITE	SSP20935	84740	Add 53 Unit - OPF
SSL20002	82646	Add Temp OIS to O&C EM Stand	SSP20805	84814	Reinstall 19 Unit MLP Rm 16B
STS20001	84015	Add OIS to O&C CITE Stand	SSP20837	84845	Add 53 Unit LCC Rm 3P11
SSP20617	84042	Add OIS to MLP9A	SSP20841	84900	Add OIS to Rm 2P15A & 2E10 VAB
SSP20619	84670	Add 1 OIS to K7-1091	SSP20852R1	84916	Add 58 Unit OPF Rm 201
SSP20640R1	84100	Add 1 OIS Rm 1P4 LCC	SSP20565	83987	Add 53 Unit OPF HB-1
SSP20727	84472	Add Spkr Mon Rm 2287 O&C	SSP20600	83975	Add 53 Unit OPF HB-1 & Rm 207
SSP03763	84473	Add Spkr Mon Rm 207	SSP20736	84246	Add 1 OIS Pad Water Tank
SSP26728		OPF	SSP20798	84645	Add OIS at MSS Park Site
STS0055	81627	Added in Rev 5 per SSP02862R1	SSP20597	83759	Add 5 OIS Units M7-1061
SSP03793	84012	Add 2 UTC Units to Integration Console LCC CR-1	SSP03783	83822	Major OIS Changes LC 39 Pad A
SSP20765R1	84293	Add 53 Unit Rm 3P1A LCC			

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10. LOCATION		REVISION 8		

11. CCBD#	ESR#	SUBJECT
SSP20659	84128	Install OIS/OTV/Timing capabilities to support STS Test Director. (Cancelled by SSP21105/ESR 85660)
SSP20852R2	84916	Change Type 58 to a Type 53 Unit in OPF Room 201.
SSP20913	84613	Add OIS Type 53 Unit at OPF Level 6E.
SMM00062	84370	Install OIS Units in O&C Rooms 1263, 4239/4245, 4249/4255 and DQV Room.
SMM00063	84676	Install OIS Units in O&C Rooms 3247, 3251 & 3255.
SSP20813	84815	OSR OIS Station Reassignment.
SSP20912	85119	52 Unit in LCC Rm 4P3.
SSP20956	85186	Remove one (1) 52 Unit and add three (3) 53 Units in LCC Rm 1P9A.
SSP20958	85225	Add Type 17 Unit to Flight Crew Training Bldg.
SSP21090	85351	Document two (2) OIS Units on OPF Level 10.
SSP21060	85353	Add Speaker Monitor in OPF Comm & Tracking Checkout Lab.
SSP21087	85359	Add one (1) ea. 53 Unit in Scape Suit-up Trailer.
SSP21091	85360	Add Speaker Monitor in Room 2P12, LCC.
STS00066	85405	Add OIS 53 Unit in Pad "A" E Catacomb.
SSP21092	85411	Add one (1) ea. 53 & one (1) ea. 58 Unit in LCC Rm 3R3.
SSP21062	85416	Add one (1) OIS 53 Unit to VAB High Bay 4 workstand platform Level 1 & Level 5.
SSP21094	85418	Add OIS LCC 3P13.

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11. REVISION 8

CCBD#	ESR#	SUBJECT
SSP21088	85361	Add OIS Unit OPF Orbiter Hydraulic Control Panel.
SSP21105R1	85660	Add 52 & 58 Unit in LCC Rm 3R18D. Delete 53 Unit in 3R17D. (Cancels SSP20659/ESR 84128)
SSP21106	85837	Install 51 Unit in CR-1 Console AB-6.
SSP21108	85839	Move CR-1 Console AC-7 51 Unit to CR-1 Console AB-8.
SMM00083	82572	OIS in O&C 3227, 3229, 3233, 3337, 3240, 3245, Roof, CITE Workstand & VPF.
SMM00095	85394	ADD OIS UNITS IN O&C 1287 & 1253.
SMM00094	85332	OIS UNITS IN O&C 3236B& 3240.
SMM00093	85331	ADD OIS UNITS IN O&C 3234 & 3236A.
SMM00090	84619	PROVIDE AUDIO RECORD I/F ON 53 UNIT LOCATED ON NORTH WALL, O&C 4265.

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11.

CCBD#	ESR#	SUBJECT
SSP03785		OIS 58 SPEAKER MONITOR UNITS AT PAD
SSP20640		INSTALL 53 UNIT LCC ROOM 1P4A
SSP21105		REMOVE AND REPLACE AN OIS RF 53 UNIT IN LCC RM 3R17C WITH A 52 UNIT
SBD00036	85635	ADD AND RELOCATE OIS UNITS IN CR-1
SSP21309	86131	INSTALL 53 UNIT IN VAB ROOM 2N2.
SSP21259	86010	INSTALL TWO EA 53 UNITS AT PAD A.
SSP21482	86716	RELOCATE OIS RF STATIONS ON THE 125 FT LVL OF THE RSS.
SSP04331		REINSTALL OIS STATION AT PAD A.
SSP21532	86614	INSTALL 3 OIS-RF TYPE 53 UNITS IN O&C HIGH BAY.
SSP21519	86553	INSTALL 1 OIS-RF TYPE 52 UNIT & 1 HEADSET EXTENDER IN ROOM 1P9, LCC.
SSP21338	86468	INSTALL HEADSET JACK PANEL IN RACK 6525-A2 ROOM 9B, MLP.
PDPC0006	81602	REMOVE 2 52 UNITS IN TEST STANDS 2 AND 3, O&C.
SSP21454	86315	REMOVE 51 UNIT FROM AA3, CR-2. REMOVE 52 UNIT FROM AC-7, CR-1 AND INSTALL A 51 UNIT IN AC-7, CR-1.
SSP21455	86357	REMOVE 52 UNIT FROM CR-1, AC-8 AND RELOCATE 51 UNIT FROM CR-2, CONS AA-2, TO CONS AC-8 CR-1.
SSPD21612	86785	INSTALL OIS-RF EQUIPMENT IN LC-39, LCC-CR #1.
SSP04057		INSTALL TWO (2) OIS-A TYPE 17 UNITS IN SLF TVC HOT FIRE SUPPORT TRLR.
SSP21480	85795	ADDITIONAL OIS FOR TVC HOT FIRING VAN

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: OIS - SECTION A-1			2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. A-1-15 4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION				

11.

CCBD#	ESR#	SUBJECT
STS00069	85950	ADDITIONAL OIS TYPE 54 UNITS, CR-1 AND CR-2.
SMM00132	86495	PROVIDE OIS TYPE 53 UNITS IN O&C ROOM 1277, 1485 & 1489.
SDP00051	85870	DOCUMENT EXISTING COMM FOR PAYLOADS ON CCAFS
	86103	REVISE OIS UNIT REQUIREMENTS IN O&C RM 1263 AND ADD NEW UNITS TO TEST STANDS 2 AND 3.
SSP04561,R1 PCIN	28568	MODIFICATION FOR MOBILE GSE TAIR STATION
SSP03971	83898	ADD OIS-A TO SLF MIDFIELD PARK SITE HOT FIRE TRAILERS.
SMM00133	86821	OIS TYPE 52 UNIT INSTALLATION IN O&C BLDG RM 3259
SSP04178	85938	INSTALL OIS-RF UNITS AT PAD-A HOUSING FACILITY
SSP04788	87225	INSTALL OIS-RF UNITS AT PAD-A RSS.
SSP04792	87227	INSTALL 9 OIS-RF TYPE 52, 1 OIS-TYPE 54 AND 1 HEADSET CONTL PNL IN CR-3.
SSP02339	83269	MODIFY 9 EA 53 UNITS FOR SPEAKER MUTING AND ADDITIONAL HEADSET EXTENSION CAPABILITY. SUBSTITUTE MODIFIED 53 UNITS IN (9) SCAPE TRAILERS AND INSTALL (9) HEADSET EXTENSION BOXES.
SSP04724	87128	INSTALL 3 TYPE 17 UNITS IN CR-2 AND 1 IN 3P16.
PDCE00028	80163	INSTALL 3 TYPE 53 AND 1 TYPE 52 IN VPF (BLDG. 7-1469) ROOM 104 & INSTALL TYPE 53 IN ROOM 105.
SSP03971	83898	INSTALL 1 TYPE 17 UNIT AT SLF MIDFIELD PARK SITE.
SSP21580	86857	INSTALL 6 OIS TYPE 54 AND 15 OIS TYPE 52 UNITS IN CR-1, CR-2, AND 1P9.
SSP21453	86475	AUDIO DISTRIBUTION LCC 1P2.

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PAGE TITLE: OIS - SECTION A-1			2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. A-1-16 4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION				

11.

CCBD#	ESR#	SUBJECT
SSP04972	87227	ADD 9 OIS TYPE 52 UNITS, 1 TYPE 54 UNIT & 1 HEADSET CONTROL PANEL IN CR-3.
SSP04783	87153	INSTALLS 4 OIS TAP CABLE EXTENDER FOR 4 PORTABLE STA'S IN 3P1A (53 UNIT PORTABLES).
SSP21645	86579	INSTALLS (3) UTC UNITS IN KSCNF & ORDERS 24 BRIDGES.
SSP04784	87159	PROVIDE OIS UNITS FOR ORBITER ACCESS AREA (VAB) B-2 NORTH-HI-BAY 3.
SSP21706	87266	PROVIDE OIS UNIT IN MLP-1 COMP 15A.
SSP21713	87[illegible]	INSTALL COMM UNITS FOR SUPPORT IN THE FALLBACK AREAS.
SSP21720	87302	RELOCATE TYPE 51 UNITS FROM LCC RM 1P9 CONS A17 TO FR-1 CONS AB-1. RELOCATE TYPE 52 UNIT FROM FR-1 CONS AB-1 TO LCC RM 1P9 CONS A17.
SSP21742	87314	PROVIDE WEBSTER LINE AMP WITH SPEAKER & VOLUME CONTROL TIED TO O&C COMM (BEST).
SSP04561	85573 86121	INSTALL COMMUNICATIONS IN TAIR STATION (1-OIS TYPE 53 & 1 TYPE 58 UNIT)
SSP21658	81834	INSTALL TYPE 17 UNITS IN CT-1 & CT-2.
SSP04542	86288	AUTHORIZES REQUIRED SCAPE SUIT COMM MODS TO 6 EA SCAPE SUITS .
SSP04254	84290	CHECKOUT 2 TYPE 17 UNITS AND 7 TYPE 19 UNITS FOR MLP-2 INSTALLATION.
SSL00062	86763	INSTALL 1 OIS-RF TYPE 52 UNIT IN HRM RACK LEVEL IV HIGH BAY O&C.
SMM00094R1	85332	ADDITIONAL OIS FOR SPACELAB TESTING.
SMM00093R1	85331	ADDITIONAL OIS FOR CITE PL (OSTA-1) PROCESSING.
SSP04904	87423	PROVIDE OIS TYPE 54 UNIT IN CR-2 CONS 0239A1.

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PAGE TITLE: OIS - SECTION A-1			2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. A-1-17
				4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION				

11. CCBD#	ESR#	SUBJECT
SSP04903	87422	PROVIDE OIS IN RM 3R17 LCC.
SSP04888	87434	RELOCATE OIS IN CR-1 CONS C-3.
SSP21785	87570	RECONFIGURE OIS UNITS AT PAD A (BOXCARS).
SSP04974	87484	CONSOLE AB-6 AND AB-7 EQUIPMENT INTERCHANGE.
SSP04981	87329	ADD TWO OIS TYPE 52 UNITS TO LCC 3P16.
SSP04918	87439	RELOCATE OIS TYPE 17 UNIT FROM 3P12 (0195A11) TO CR-2 (0232A1).
SSP04950	87450	PROVIDE ADDITIONAL OIS IN OPF FALLBACK AREA (ROOM 212).
SUS00006	82834	RELOCATE OIS TYPE 53 UNIT AT VPF AIR LOCK.
SSP05149	87568	INSTALL 6 TYPE 53 UNITS IN THE OPF.
SSP21598	86795	AUDIO COMM FOR ROAD BLOCK NARROWBAND AND VOICE.
SSP21063	85501	OIS-RF TV AUDIO INTERFACE MOD. INSTALL 120 FILTERS IN INCOMING AUDIO LINES.
SSP05008	87479	PROVIDE OIS BETWEEN THE OPF AND HMF TO SUPPORT OPF TESTING.
SSP04854	85909	RELOCATE 3 TYPE 52 UNITS AND INSTALL 1 TYPE 54 UNIT IN RM 2P19-LCC.

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: OIS - SECTION A-1			2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. A-1-18 4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION				

11. CCBD#	ESR#	SUBJECT	PAGES AFFECTED
SSP05366	87776	INSTALL TWO 53 UNITS IN VAB RM 2B9.	B-1-20
SSP04854	85909	REMOVE OIS UNITS IN CR #2 AC-1 THRU AC-8.	B-1-15
SSP21811	87331	ADD INTERFACES FOR PORTABLE OIS UNITS IN EWP E-MAIN LEVEL VAB HB #3.	B-1-26
SSP04541	85520	SCAPE SUIT COMM.	
SSP05294	87589	RELOCATE OIS UNIT FROM CONSOLE A13 TO A14 IN LCC 1P9.	B-1-19
SMM00063	84676	INSTALL OIS UNITS IN O&C.	C-1-12
SSP05410	88165	INSTALL OIS UNITS IN CR-4 (RELOCATE ET INSPECTION AREA).	B-1-17.2
SSP05339	87679	INSTALL TYPE 53 UNIT IN RM 1P14.	B-1-19
SSP05289	87869	INSTALL TYPE 52 UNIT IN WEDGE BETWEEN CR #1 BC-2 & 4 (0116A1/A2).	
SSL00070	87652	OIS IN O&C.	
SSP05392	87874	OIS FOR RANGE SAFETY CR-1.	B-1-13
SSP05297	87931	PROVIDE OIS UNIT PAD GATE.	
SSP05296	88022	ADDITIONAL OIS CRYO TRAILERS.	
SSP05267	88046	OIS FOR MMC & USBI CR2.	
SSP05376	88061	SEPARATE OIS FOR OPF BAY 2.	
SSP05391	88115	OIS IN 3P13 LCC 6 -52 UNITS.	

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PAGE TITLE: OIS - SECTION A-1			2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. A-1-19
				4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION				

11. CCBD#	ESR#	SUBJECT	PAGES AFFECTED
SSP05337	87897	OIS UNIT AT ROAD BLOCK 11.	
SSP05601	88455	RELOCATE OIS UNITS IN BOXCARS.	B-1-32, B-1-33
PDSH0655	86925	OIS INSTALLATION SRB-RSF.	B-1-29
SSP05512	86996	OIS FOR SRB OPS VAB.	
SDP00089	87625	VPF OIS.	
SSP05453	87752	OIS FOR MLP SOUND SUPP PLATFORMS.	
SSP05428	88000	OIS LCC RM 3P6.	
SSP05393	88133	OPF ANNEX COMMUNICATIONS.	
SSP05399	88188	OIS O&C 3279D.	
SSP05424	87755	OIS TYPE 53 UNIT IN RM 3664.	B-1-63
SSP05423	88257	PAD A HOUSING.	
SSP05561	87750	OIS INTERFACE KEYING UNIT.	
SSP05398	87766	OIS UNIT VAB 2B9.	
SSP05481	87767	OIS UNIT 2K9 VAB.	
SSP05482	88189	PROVIDE ADDNL OIS - PORTABLE.	
SSP05557	88402	OIS OPF RM 119.	

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PAGE TITLE: OIS - SECTION A-1			2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. A-1-20 4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION				

11. CCBD#	ESR#	SUBJECT	PAGES AFFECTED
SSP05557	88402	OIS OPF RM 119	C-1-3
SMM00205	88424	O&C ROOM 3227 REMOVE STATION 13-3	C-1-4
SMM00204	88431	O&C ROOM 1263 ADD 52 UNIT STATION 4-23	C-1-9
SMM00210	88112	O&C ROOM 3233 RF BATHTUB JACKS LPS CONSOLES	C-1-9, C-1-11
SMM00209	88192	O&C ROOM 3233 AND 3237	C-1-12, 13, 14
SMM00211	88364	O&C S/L OIS INSTL, REVISE LAYOUT, REDUCE EQPT.	C-1-13, C-1-14
SMM00211	88510	O&C S/L OIS INSTL, REPLACE TC UNITS WITH 54 UNITS	C-1-16
SMM00204	88430	O&C L4 PCU CONT ROOM	C-1-18
SMM00204	88428	O&C L4 USERS RMS A, B & C	C-1-18
SSL00066	87619	O&C USER ROOM CHANGE	C-1-24
SMM00204	88429	O&C L4 INTERGRATION AREA	C-1-9
SMM00209	88249	O&C ROOM 3233 54 UNIT	PAGE REMOVED
SSP21532	86614	O&C S/L TEST STAND 2 AREA - REMOVE STATIONS 1-13, 14, 15	B-1-15.1
	88763	LCC CONTROL ROOM 2, CONSOLE 0233 AND 0234 ASSIGNMENTS	C-1-32
SMM00208	88295	VPF AFT FLIGHT DECK OIS, CHANGE STA 2-18, 2-19 LOCATION	C-1-28
SMM00206	86177	VPF ENGR SUPPORT BLDG ADD OIS RM 110, 111 (53 UNITS)	C-1-33, C-1-34
SMM00207	88350	VPF 53 UNITS, DELETE STA 1-09, ADD RF C/O RM	

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1. CLASSIFICATION K-SM-10.2.81

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		DATED	4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.

11.

SECTION A-2

FACILITY REQUIREMENTS

POINT-TO-POINT

Station Set/SE-FAC	Item Number	Facility
28	28-32-99.016, 018, 046, 048 049, 062, 064, 066, 086, 099	LCC
17	17-32-99-002, 010	OLF
23	23-32-99-005, 006, 007	Pads

BASELINE REVIEW ACTIONS

The Board reviewed all Point to Point Requirements and approved only those in Section B-2. The following RID's were included in the presentation on the Board.

81-K-AP-007
81-K-IN-002/1
81-K-IN-003/1
81-K-MD-005
81-K-SF-006
81-K-SF-007
81-K-SO-003
81-K-TS-001/1
81-K-VO-001

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PAGE TITLE: POINT-TO-POINT: SECTION A-2		2. REPLACES PAGE (S) DATED	3. PAGE NO. A-2-2 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11.	
		Revision 3
	SSP01750	Adds PTP RM 1P10 LCC to PAD
	Baseline FEDP 70 7/25/77	Add PTP for MPC
		Revision 4
	SSP0224	PT to PT OLF to OHF
	SSP02162	Add PT to PT OLF Mdd to PAFB
		Revision 5
	SSP01089 SSP0279	Add PT to PT LCC CR 1/2 G-24 to RSO.
	SSP02900	Add PTP to LCC 1P9
	STS0030	Adds PTP Extensions to AA5 &AB4

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: POINT-TO-POINT: SECTION A-2		2. REPLACES PAGE (S) New DATED	3. PAGE NO. A-2-3
			4. DATE 6-25-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 6
10. LOCATION			

8. ITEM NO.	11. Revision 6	
	SSP20308 SSP01089	Add PTP Rm. 1P10 to CCAFS CCFF
	SSP20436	Add PTP Rm. 1P10 to M6-493 Rm. 4A
	SSP20341	Corrects PTP AB-5 to SAF & SEO
	SSP20400	Add PTP Rm. 1P138 LCC
	SSP20477	Add PTP LCC 1P10 to M6-399
	SSP20476	Add PTP LCC 1p10 to M6-493
	SSP20522	Add PTP AB-4/AB-3 to OPF, VAB & Pad RSS
	SSP20521	Add PTP T1 Fire Console B, LCC
	SSP20542	Relocate PTP in Rm. 1P9 LCC

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: POINT-TO-POINT: SECTION A-2			2. REPLACES PAGE (S) A-2-4 DATED 8-1-80	3. PAGE NO. A-2-4
				4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION				

11.

REVISION 7

CCBD #	ESR #	SUBJECT	CCBD #	ESR #	SUBJECT
SSP20672	84026	PTP RAD Control CTR			
SSP20644	84165	Relocate PTP Rm 1P9 LCC			
SSP20804	84805	PTP Gate F to 1P10 LCC			
SSP20616	84016	PTP MED CONS 1R28 LCC			

REVISION 8

SSP01089	DE-31-073	PTP From PACAS Console to VAB Locations
SSP20968	85264	Authorizes Relocation of 1P10 PTP from 52 Units to 12 Line Panels

REVISION 10

SSP04209	85188	PTP FROM KSC WX STA-B TO ETR RCC FORECAST FACILITY
SDP00051	85870	DOCUMENT EXISTING COMM FOR PAYLOADS ON CCAFS
S3P04178,R2	85938	ADD POINT TO POINT CKTS TO PAD A HOUSING UNITS (BOXCARS)
SSP03240		ADD POINT TO POINT TO O&C RM 4286 (RADCC CONSOLES)

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SPECIAL AUDIO: SECTION A-3		2. REPLACES PAGE (S) DATED	3. PAGE NO. A-3-1 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11.

SECTION A-3

FACILITY REQUIREMENTS

SPECIAL AUDIO

Station Set/SE-FAC	Item Number	Facility
28	Conference Loops: 28-32-99-013, 014, 015, 016 017, 018, 019, 020, 021, 022, 023, 024, 025, 026, 027, 028, 029, 039, 031, 032, 035, 036, 037, 049, 050, 059, 066, 068, 073, 099, and 103	LOC
81	Section IVB/10-E, Item 10-E-101	CD&SC

BASELINE REVIEW ACTIONS

RID #	Action
81-K-DE-001/1	Delete Conference Loops- Pages B-3-3 & B-3-4
81-K-VO-2	Provides for Astro Comm System

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SPECIAL AUDIO: SECTION A-3		2. REPLACES PAGE (S) A-3-2 DATED 6-25-79	3. PAGE NO. A-3-2
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION			

8. ITEM NO.	11.		
		Revision 3	
	SSP01868		Document change to ASTRO-COMM
	SSP01786		Update ASTRO-COMM
	SSP01811		Updates TD&SA Quantities
	SSP01810		Updates TD&SA Quantities
		Revision 4	
	SSP02180		Add Aeromed to ASTRO-COMM
		Revision 5	
	SSP02593		Add TD&SA Equipment
		Revision 6	
	SSP20453		Add Battery Charger Alarm System
	STS00033 R1		Add OIS Recording for M7-1412
		Revision 8	
	SSP04031 84972		CD&SC Voice Recorders Replacement. R
	SSP20887 85071		Provide "Continuous Loop" recorders in LCC Rm 1P10 and 20 Channel Recorders in CD&SC for recording of Radio Nets 103, 203, 116, 216, 105 EM's 911. R

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SPECIAL AUDIO: SECTION A-3		2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. A-3-3
			4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION			

8. ITEM NO.	11. Revision 10		
	SSP035159		INSTALL CHASE PLANE AUDIO EQP AT KSCNF
	SSP21212		INSTALL SPKR MONITOR AT KSCNF
	SDP00051	85870	DOCUMENT EXISTING COMM FOR PAYLOADS ON CCAFS
	SSP21466	86653	OIS AUDIO BRIDGES (20).
	SSP21465	86189	ADDITION OF PLAYBACK UNIT TO CT-1 AND CT-2 RECORDING SYSTEM
	SSP04724	NONE	ADDITIONAL 17 UNITS IN CR-2 FOR ET, SRB, SSME REQUESTED.
	SSP21658	81834	PROVIDE COMMUNICATIONS TO CT-1, CT-2

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PAGE TITLE: SPECIAL AUDIO: SECTION A-3		2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. A-3-4 4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION			

8. ITEM NO.	11. CCBD#	ESR#	SUBJECT	PAGES AFFECTED
	SSP21824	87659	ASTROCOMM FOR OFT MANAGER.	

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: RF COMMUNICATIONS: SECTION A-4		2. REPLACES PAGE (S) DATED	3. PAGE NO. A-4-1 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11.

SECTION A-4

FACILITY REQUIREMENTS

RF COMMUNICATIONS

Station Set/SE-FAC	Item Number	Facility
81	81-17-10-103	OLF
81	81-19-10-103	OPF
81	81-20-10-103	VAB
81	81-22-10-103	MLP
81	81-23-10-103	Pad
81	81-28-10-103	LCC
81	81-31-10-103	SRB Processing and Storage
81	81-32-10-103	SRB Retrieval and Disassembly
81	81-81-10-103	Communications
81	81-82-10-103	Fire

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: RF COMMUNICATIONS: SECTION A-4		2. REPLACES PAGE (S) DATED	3. PAGE NO. A-4-2
			4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.

11. BASELINE REVIEW ACTIONS

Pre-Board deleted all RF Communication Hardward Requirements. These will be presented to a PRB January 1977. Pre-Board approved the quantities of nets required.

REVISION 2

CCBD #	ACTION
SSP01339	Baselines quantities of RF Communications units and remote drops, Pages B-4-4 thru B-4-41

REVISION 3

CCBD #	ACTION
SSP01563	Add OLF A/G Comm Requirements
SSP01632	Add Radios for SRB Disassembly Facility
Baseline Vol. 81 Section C 8/26/77	Adds RF Comm for O&C Crane Operation & RF Antenna Systems for P/Ls, IUS, Spacelab

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PAGE TITLE: RF COMMUNICATIONS: SECTION A-4		2. REPLACES PAGE (S) DATED	3. PAGE NO. A-4-3 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11.	
	Revision 4	
	SSP0280	Additional OPS Radios for MSFC & CLS
	SSP02440	Delete Remote Control of Hangar AF SRB Transciever from LCC, 1P9
	Revision 5	
	RFA ETR 46-78	Change 296.8 to 284 UHF
	SSP02410	Add OLF met system to RF OPS Pool users.
	SSP02748	Add portable radios for SRB recovery vessels
	SSP0281	Add Audio Recorder to Mobile Base Vehicle
	SSP02741	Add Civil Defense Radio Net
	SSP0350 STS00031	Add RF Radio Net Requirements for Egress, Escape & Rescue Operations

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: RF COMMUNICATIONS: SECTION A-4		2. REPLACES PAGE (S) New DATED	3. PAGE NO. A-4-4
			4. DATE 6-25-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 6
10. LOCATION			

8. ITEM NO.	11. Revision 6	
	SSP20401	Add 8 Portables to Net 116
	SSP20399	Add 6 two (2) Freq Mobile to Net 116
	SSP20346	Add Radio Terminations to Hurricane Control Center in O&C
	STS00029	Add 1 Mobile to Net 102
	SSP00444	Add Net 102 to E&L Bldg.
	SSP20397	Adds 7 Port to Net 206
	SSP20407	TS Net 206 Portables
	SSP20434	Add 2 Remote Net 116
	SSP20417	Add 1 Mobile M Port to VHF Bands
	SSP20306	Add Nets 101, 201 & 204 to Rm. 1?9 LCC
	STS00029 (REF SSP02410)	Adds Net 111 for Met Site Support at SLF
	SSP20489	Add Net 104 Remote to PTCR-A
	SSP20389	TV Chase Plane Air to GND

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: RF COMMUNICATIONS: SECTION A-4		2. REPLACES PAGE (S) A-4-5 DATED 6-25-79	3. PAGE NO. A-4-5
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION			

8. ITEM NO.	11. REVISION 6 (Con't)	
	SSP20507	Adds Radio to SEEP
	SSP20509 SSP20502 SSP20508	Adds RF Comm for RF Repair Vehicle
	SSP20513	Add Blend & Monitor capability in third UHF A/G
	STS00038	Adds New Net & Radios for MSBLS
	SSP20511	Authorizes Use of VHF OPS Pool
	STS00040	Add 4 Portables, 3 Mobile & 2 Remotes to Net 102
	SMM00018	Add Transceiver on Net 200 to Canister Transporter R
	SSP20540	Add Net 104 to Convoy CMDR Vehicle R

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: RF COMMUNICATIONS: SECTION A-4			2. REPLACES PAGE (S) A-4-6 DATED 1-11-80	3. PAGE NO. A-4-6 4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION				

11.

REVISION 7

CCBD#	ESR#	SUBJECT
SSP20615	83973	Add 2 Mobiles Net 201
SSP20562	84017	Add Net 105 to LCC, 1R28
SSP20633	84045	Add Net 101 to K6-947
SSP20039	84046	Add Net 104 to M6-486
SSP20673	84097	Add DOD to UHF Loan Pool
SSP20642	84161	Add Remotes to Net 107
SSP20763	84499	Add Net 104 Base Stations
SSP20797	84699	Change Radio Net (104 to 210)
SSP20672	84026	Add Radio Nets to RAD CNTRL
SSP20566	84027	Add 3 Port to OTV Vans
SSP03841/20674	84272	Add 2nd Net (216) for SF
SSP20676R1	84296	Add Nets 216/116 Rm 1P10
SSP20682	84309	Add Nets 103, 203 to Convoy CMDR Vehicle
SSP20755/20652	84528/84236	Add BU Trans Net 103, 105 & 116 & Adds Drops to 1CPD, 1CFD & C/D
SSP26759	84503	Add Net 105 to OHF
STS00062, STS00062R1	83950, 84547	Dedicate UHF Channels for LC 39 Crane OPS
SSP20784	84701	Net Change 101 to 201
SSP20851	84647	Reconfigure Nets 101, 201 & 104
SSP20851	84648	Reconfigure Nets 101, 201 & 104
SSP20816	84878	Add 2 Port Net 111
SSP20801	84747	Net Change 106 & 206
SSP26799	84710	Add ET Hoist to Loan Pool
SSP20800	84717	Add ET Trans to Loan Pool
SSP20851	84647	Reconfigure Nets 101, 201 & 104
SSP20851	84498	Reconfigure Nets 101, 201 & 104
SSP20851	84500	Reconfigure Nets 101, 201 & 104
SSP20851	84522	Reconfigure Nets 101, 201 & 104
SSP20851	84523	Reconfigure Nets 101, 201 & 104
SSP20851	84524	Reconfigure Nets 101, 210 & 104
SSP20851	84585	Reconfigure Nets 101, 201 & 104

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JULY 70

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: RF COMMUNICATIONS			2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. A-4-7 4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION				

11. REVISION 8

CCBD#	ESR#	SUBJECT
SSP20906	85048	Add Remote Desk Unit to Net 202 and locate in Rm. 9 of the LACB
SSP20883	85072	Extend Nets 103, 105, 203 to K6-1146 Rm. 108B & Delete 117 from Rm 108
SSP20905	85079	Provide Air/Ground T/R Capability to Retrieval Vessels
SSP20887	85071	Provide Recording Equip. for Nets 103, 203, 116, 216, 105 & EM911 in CD&SC
SSP20928	85070	Addition of RF Net Requirements for Security. Add Spkr Monitors to Nets 103, 105, 203 and a Remote to ETR Net "D": and Coast Guard Net.
SSP20881	84966	Add Amplified Spkr in Rm 2P19 & 2P20 for Net 102
SSP20907	85060	Add Net 107 Remote Unit in PTCR Rm. 205, Pad A
SSP20911	85101	Install Net 102 Remote at Margo Site
SSP20946	85162	Change Six (6) Net 104 Portables to Net 201. Change Five (5) Net 101 Portables to Net 104. Change One (1) Net 101 Mobile to Net 104. Change K6-947 Remote from Net 101 to 104
SSP20941	85218	Add Net 105 Mobile in Astronaut Transfer Van
SSP21061	85404	Delete Seven (7) Remotes on Net 201; Relocate One (1) Net 104 Remote; Add Two (2) Remotes to Net 101; Add One (1) Remote, Two (2) Portables and Two (2) Mobiles to Net 201
SSP21059	85582	Provide Eight (8) Multi-user Institutional Net 111 Portables for PRC Support Personnel
SSP21070	85369	Add Redundant OPF Crane Comm.
SSP21089	85632	Add Eight (8) UHF Radios for SRB/SRM Stacking

1. CLASSIFICATION K-SM-10.2.81

TITLE: RF COMMUNICATIONS			2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. A-4-8 4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION				

11.

REVISION 8

CCBD#	ESR#	SUBJECT
SSP21095	85587	Add Net 105 to Fire Service Mobiles/Portables
SSP20905	85079	Provide UHF Comm Capability on Two (2) Ea. SRB Retrieval Vessels
SSP20935	84584	Provide "Split Comm" Capability in Airborne COD Helmet
SSP21035	85488	Document ARAPS/EEAPS Capability

CCBD#	ESR#	SUBJECT	PAGE NOS. AFFECTED
SMM00065	85345	Shuttle Payload Antenna Requirements	C-4-3 thru C-4-17 of Revision 7 replaced by C-4-3 thru C-4-14

CCBD#	ESR#	SUBJECT	PAGE NOS. AFFECTED
SSP21198	84949	Radio Nets-O&C Crane OPS	A-4-8, B-4-10, C-4-2

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: RF COMMUNICATIONS			2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. A-4-9 4. DATE 6-01-80
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION				

11.

REVISION 10

CCBD#	ESR#	SUBJECT
SSP21260	86015	ADD RADIO NETS 104 & 201 TO SUPPORT TEST MANAGER CONSOLES AB-2 CR-1/CR-2, A17 IN CCC.
SSP04521	86340	RF COMMUNICATIONS (NET 107) FOR RCA BATTERY MAINT. TEAM; ADDITIONAL UNITS.
SSP21452	86414	PROVIDE T/R ACCESS TO NET 106 IN GSA OFFICE, ROOM 105, BLDG M6-688.
SSP21494	86436	ADD RF REMOTE UNIT TO SAFETY NET 105 IN OPF ANNEX RM 210A
SSP21615	86498	DOCUMENTS CHANGES/ADDITIONS TO RADIO NETS NOT PREVIOUSLY AUTHORIZED BY E.I. PRIOR TO 6-10-80.
SSP21611	86809	RELOCATE RADIO NET 101 REMOTE UNIT TO BLDG K6-1446, ROOM 104.
SSP21596	86810	PROVIDE RI SAFETY PERSONNEL WITH NET 105 PORTABLE RADIOS
SSP04268		PROVIDE NET 308 RADIO PAGING; 170 POCKET PAGING UNITS AND CONSOLES IN M6-971 AND CDSC RM 116.
SSP21459	85581	AMBULANCE COMMUNICATION (EMS); STATE AND COUNTY UHF NETS.
SSP21064	85510	CHANGE THREE (3) NET 101 PORTABLES TO NET 201 PORTABLES.
SSP03240		RADIO NETS AT O&C RM 4286
STS00031	82591	ADDS NETS 105 AND 216 TO 3 AMBULANCES AND RESCUE CONVOY LEADER
SSP21434	86443	ADD ONE PORTABLE RADIO (NET 107) TO COLOR VAN #4.
SSP21324	85580	PROVIDE 4 CHNL RADIO FOR MEDEVAC HELICOPTER COMMUNICATIONS.

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: RF COMMUNICATIONS			2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. A-4-10 4. DATE 6-1-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION				

11. REVISION 10

CCBD #	ESR #	SUBJECT
SSP21659	86579	EXTEND NET 108 TO THE KSC NEWS FACILITY P10 BLDG AND INSTALL A TONE REMOTE DESK SET.
SSP21621	86927	PROVIDE 4 NET 111 RADIOS AND CHARGES FOR BSI NDE LABORATORY PORTABLE X-RAY OPERATIONS.
SSP21688	87151	(A) INSTALL A TONE REMOTE DESK SET ON NET 216 IN LCC RM 1R28 & IN OHF (M6-495) ROOM 116. (B) ADD NET 105 & 216 TO NET 117 IN 3 AMBULANCES. (C) FABRICATE HELICOPTER HELMET & PAD ADAPTER CABLE FOR USE BY KSC MEDICAL.
SSP21630	87019	PROVIDE COMMUNICATIONS FOR SLS TPS RE-WATER PROOFING (DFRC).
SSP04787	87159	PROVIDE UHF OR VHF PORTABLE RADIOS FOR R/I OPERATIONS - (8 MOVE CREW) (5 PAD OPS) (4 OPTICS) (4 PAD RED CREW)
SSP21730	87270	REMOVE 3 EA REMOTE UNITS AND INSTALL 1 EA PANEL MOUNTED REMOTE UNIT.
SSP21741	86860	CHANGE VEHICLE(G62-4216) RADIO FOR 105 NET OPERATION.
SSP21775	87535	INSTALL AN ADDITIONAL UHF A/G RADIO IN KSC CONVOY CMDR VEHICLE G42-34756.
SSP04924	87443	PROVIDE ADDITIONAL (3) HELICOPTER HELMETS FOR MEDICAL RESCUE TEAM.
SSP05175	87630	PROVIDE A SCANNER FOR CENTER DIRECTOR AND SAFETY DIRECTOR AND A RADIO TRANSCEIVER FOR SAFETY DIR ON NETS 103, 203, 105, 116, 216.
SSP05089	87247	PROVIDE (4) POCKET PAGERS TO SUPPLY AND TRANSPORTATION SERVICES.
SSP04872	87336	PROVIDE COMM FOR O&C RM 4286 (138.15 MHZ).
SSP04872R2	87336	RELOCATE T/R 138.15 MHZ (ENVIROMENTAL CONTROL CENTER) FROM O&C 4286 TO ETR.
SSP21770	87390	INCREAST NET 102 MOBILE RADIOS BY TWO.

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: RF COMMUNICATIONS			2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. A-4-11
				4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION				

11. REVISION 10 (CONT)

CCBD #	ESR #	SUBJECT
SSP04833	87228	PROVIDE RADIO NET (108) FOR PAO/TV VANS.
SSP04854	85909	RELOCATE NET 102 FROM 2P19 TO 2P20.
SSP21784	87556	PROVIDE RADIO 105 (SAFETY) REMOTE CONTROL IN BOX CAR 35.
SSP04993	87432	PROVIDE RADIO (PORTABLE) FOR KSC CONVOY CMDR TO TV/PHOTO OPS.
SSP20646	87146	DOCUMENTS RF COMM RECEIVER MODIFICATION (REMOVES UNDESIRABLE 1000 HZ TONE-ALERT SIGNAL).
SSP01089	78046	PROVIDE 2RAM033 AND 2RAM038 TOMF PARK SITE TTC 1769 FOR SCAPE TRAILERS AND INSTALL A PURGE BASE STA IN LACB AND PURGE & COOLING REMOTE UNITS IN A SCAPE TRAILER AT MIDFIELD PARK SITE.
SSP02327	83562	INSTALL UHF ELEMENTS (XTALS) IN 24 PORTABLES AND BASE STATION FOR SRB RECOVERY.
SSP01089	78046	INSTALL UHF ELEMENTS(XTALS) IN 20 PORTABLES AND 3 UHF RECEIVERS FOR INDUSTRIAL AREA POOL.
SSP21685	87005	INSTALL RADIO REMOTE UNIT ON NET 107 IN KSCNF VIDEO ROOM.
SSP04542	86288	SCAPE SUIT COMMUNICATIONS.
SSP21101R	85242	CONTINGENCY LANDING SITE RADIOS.

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: RF COMMUNICATIONS SECTION A-4			2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. A-4-12
				4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION				

11.

CCBD #	ESR #	SUBJECT	PAGES AFFECTED
SSP20652	84236	REPLACE CIVIL DEFENSE STATION AT MARGO SITE.	
SSP21198	78046	IMPLEMENTS INDUSTRIAL AREA UHF RADIO RCVR RCDG FACILITY.	C-4-2.1
SSP21854	88056	PROVIDES AND CHECKS OUT 4 UHF TRANCEIVERS FOR TOW CONVOY CMD VEHICLE	B-4-21.1
SSP21872	88122	PROVIDE BACK-UP POWER IN VAB/16E1.	
SSP05502	88363	PORTABLE RADIOS FOR ENVIRONMENTAL/HEALTH.	B-4-14
SSP05501	88362	INSTALLS NET 117 REMOTE UNIT IN O&C RM 3004A.	B-4-14
SSP05500	88361	PORTABLE RADIOS FOR KSC MEDICAL.	B-4-14
SSP05427	88103	CHANGES IN RADIO NETS.	B-4-9
SSP05495	88358	R.F. COMM FOR SHANDS HOSPITAL.	B-4-12.1
SSP21066	85537	CONVOY OPERATIONS.	
SMM00171	87308	PAYLOAD CANNISTER TRANSPORTER.	
SSP21894	87677	RADIOS FOR PRC.	
SSP05420	87778	NET 107 AT KSCNF.	
SSP05408	87831	VHF COMM TO CHASE PLANE.	
SSP05357	87891	ADDNL RADIOS KSC CONVOY (4 UHF LOAN POOL RADIOS)	B-4-21.1

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: RF COMMUNICATIONS SECTION A-4			2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. A-4-13 4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION				

11.

CCBD #	ESR #	SUBJECT	PAGES AFFECTED
SSP05368	88104	BASE STATION NET 206.	
SSP04854	86379	EXPAND RPS-RELOCATE ESMS.	
SSP04859	86841	RADCC/ENVIRONMENTAL HEALTH COMM.	
SSP21684	86736	RECORDING CRITICAL RADIO NETS (INDUSTRIAL AREA RADIO).	
SSP05328	87514	PROVIDE PORTABLE RADIOS ON NET 104 TO BSI HEAVY EQUIPMENT (PAD OPS STS-2).	B-4-8
SSP05298	87676	RF COMM SECONDARY SAFETY NET IMPLEMENTATION.	
SMM00201	88393	PROVIDE 13 ADDITIONAL RADIOS FOR INDUSTRIAL AREA UHF POOL.	C-4-2.1
SSP05409	87717	POCKET PAGERS FOR AMPEX.	
SSP05490	88049	NETS 107 AND 408 VIDEO SYSTEMS.	
SSP05540	88277	NETS 107 AND 104 UTILITY ANNEX BLDG UA 8.	
SSP05544	88346	RADIO NET 105.	

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: PAGING AND AREA WARNING: SECTION A-5		2. REPLACES PAGE (S) DATED	3. PAGE NO. A-5-1 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.

11.

SECTION A-5

FACILITY REQUIREMENTS

PAGING AND AREA WARNING

Paging and Area Warning requirements have been validated and approved by C. 79629, dated October 28, 1976.

BASELINE REVIEW ACTIONS

RID #	ACTION
81-K-SF-015	Updates all area paging system to include facilities that are currently equipped for the system.

REVISION 3

CCBD	
SSP02027R-1	Add PA Mike LCC Rm 1P9

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: PAGING AND AREA WARNING: SECTION A-5		2. REPLACES PAGE (S)	3. PAGE NO. A-5-2
		DATED	4. DATE 6-25-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 6
10. LOCATION			

8. ITEM NO.	11.	
		REVISION 4
	SSP02248	Add PA System, GSA Motor Pool Mg-688
	SSP02287	Add Paging & Area Warning to LC-39 Pads A & B OPS Bldg. & Tech Support Bldgs.
	SSP02027	Add Emergency Paging Capability to Room 1P10 LCC
		REVISION 5
	SSP02908	Add Paging & Area Warning to Hypergol Fire Suppression Training Site
	SSP02808 R2	Delete Paging at Parachute Facility
	SSP03022	Add Emergency Industrial Area Paging Microphone in Rm. 1P10, LCC, Safety Console
	SSP02903	Rearrange Equipment in Console AB-5, AB-6, AB-7 and AC-8 for Area Warning and Emergency Paging.
		REVISION 6
	SSP20391	Extend CFT Paging capability to K6-793

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: PAGING AND AREA WARNING: SECTION A-5			2. REPLACES PAGE (S) A-5-3 DATED 8-1-80	3. PAGE NO. A-5-3
				4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION				

11.

REVISION 7

CCBD#	ESR#	SUBJECT
SSP20578	84024	Add Paging Mike OPF B-1
SSP03788R1	84286	Extend all area paging mike to Rm 1P9 LCC

REVISION 10

SSP03971		P/AW System Installation at OLF Mid Park Location
SSP21350		Procure & Fab parts for shipment to DFRC
SSP21473	86476	Move AW Mike panels from AC-7 to AC-6, CR-1&2 Move AW Mike panels from AB-6 to AB-7 in CR-2
SSP00357		Add 2 speakers/drivers to Pad A FSS
SSP[illegible]2		Install Cobraflex 111 spkrs and assoc eqp in VAB transfer Isle, HB. 2 & HB. 4.
SSP04331		Install P/AW ckts at Pad A.
SSP21065		Replace mixer amplifiers in the OPF Paging Rack No. 1

REVISION 8

CCBD#	ESR#	SUBJECT
SSP20908	85080	Insta l Spkrs in LC 39 Rockwell Trlr Complex
SSP21065	85517	Add One (1) Local Mike Input from Pad Ldrs Desk in OPF HB-1 to Existing Paging System
SSP21105R1	85660	Add Area Warning & Emergency Paging Panel in LCC Rm 3R18D
SSP21121	85709	Modify OIS System to provide capability to limit OIS Paging to originating area only
SSP21107R1	85838	Relocate PA/AWS Control Panel from AB-6 to AB-7, CR-1
SSP21175	85897	Add New Speaker Drivers, Pad-A
SSP20954	85237	Provide Area Warning Paging System for LC-39 Boeing-3 Trailer Complex

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: PAGING AND AREA WARNING: SECTION A-5			2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. A-5-4
				4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION				

11. REVISION 10

CCBD#	ESR#	SUBJECT
SSP21421	87472	Provide Paging Speakers for buildings K7-413 (LO_2 Holding Pad) and K7-163 (LH_2 Holding Pad)
SSP04461	85841	Provide local paging for 2 Hot Fire Support trailers at SLF Park Site.
SSP21296	86108	Provide Paging/Area Warning in Ordnance Storage & Bldg.
SSP21410	86109	Add paging speakers to CR-1 and CR-2
SDP00051	85870	Document existing Comm for payloads on CCAFS
SSP21646	86978	Add paging speakers in Pad A LH_2 and LOX trailers
SSP04178	85938	Installation of P/AW system in 38 boxcar complex
SSP04781	87189	Install P/AW Speakers in Pad A FSS
SSP21409	86107	Modify and Install 2 ea. W.E. VU Meter Panels in Panel in VAB Room 1A2 and 1D2
SSP04561	85573	Installation of P/AW in Box CAR #12 Group B
SSP03971	83898	Install Audio amps in Pedestal TTC - 1763B as SLF Mid-field & extend P/AW to SLF Mid-field Park Site
SSP21065	85517	Install 2 attenuators in OPF Room 105
SSP04755	86541	Install 1 mixer in KSCNF, 1 in CR-4, and provide 5 microphones
SSP21718	87140	Install two speakers in RSS Hoist Control Room
SSP21679	87132	Provide access to Area Paging, Internal Paging to Control Rooms and High Quality (Broadcast Circuit) from any active Control Room
SSP21678	87130	Provide extra Paging amp and input mixer and microphones to allow paging from PIO Bldg and BSI area to external speakers
SSP04791	87238	Portable PA systems for PAO Viewing Sites - NASA Causeway & Swartz Rd.
SMM00144	86426	Provide a local paging system for O&C A&T Area
SSP04909	87296	Provide P/AW for TPS Bldg 1095
SSP04461R1	85841	Approved Comm for Mid Runway paging

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: PAGING AND AREA WARNING: SECTION A-5			2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. A-5-5 4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION				

11.

CCBD#	ESR#	SUBJECT	PAGES AFFECTED
SSP04854	85909	REMOVE PAGING MICROPHONE PANEL ASSY FROM CONS AC-6 CR-2.	B-5-8
SSP21679	87132	MOVE VIP COMM CONTROL PANEL FROM CR1 CONS AC-5 TO CR1 OMR CONS A-18.	B-5-10
SSP05519	86605	PAGING FOR OPF TRAILERS.	
SSP05403	88179	LETF TRAILERS P&AW.	
SSP05492	88233	P&AW SPEAKER INSTAL VAB.	
SSP05546	88258	PAGING INSTALLATION K6-743.	

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S4

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: OTV: SECTION A-6		2. REPLACES PAGE (S) DATED	3. PAGE NO. A-6-1 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.

11. SECTION A-6

FACILITY REQUIREMENTS

OTV

Station Set/SE-FAC	Item Number	Facility
81	81-17-20,207,208,209	OLF
81	81-22-20-207	MLP
81	81-23-20-207	Pad
81	81-28-20-208,209	LCC
81	81-AU-20-207	LETF
81	81-AF-20-209	CD&SC
81	81-AH-20-207	ATF
81	81-AM-20-208	KSC Hdq.
81	CR # K-02-816	Pad
81	CR # K-05-972	FCTB

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: OTV: SECTION A-6		2. REPLACES PAGE (S) DATED	3. PAGE NO. A-8-2
			4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11. BASELINE REVIEW ACTIONS	
	RID #	ACTION
	81-K-SP-005/2	Add OTV Switch Input & Output Assignments
	81-K-SF-008	Add Dual 8 to AC-2 & AC-3 CR-1 & 2
	81-K-SF-009	Delete Fire/Rescue 1R2/1R4, add 4 OTV 21" Monitors to 1P10
	81-K-IN-003/2	Add new camera to MLP Side 4, Zero Level
	81-K-VO-042	Add Camera Coverage for TPS
	81-K-VO-058	Correct Payload Management Area Monitor Size & Location
	81-K-VO-025	Provide Camera to view PBK Hypergolic Bulkhead
	81-K-VO-024	Change AB-5 to AB-6, AB-7 to AB-8 & delete AB-10, CR-1 & CR-2
	81-K-VO-017	Change Tile from "Instr/Comm/Tract" "To Comm"
	81-K-VO-015	Add 2 dual 8 monitors to fuel cell/PRSD CR-1 & CR-2
	81-K-DE-045	Change TV Recorders from 15 to 25
	81-K-DE-004	Correct camera listing
	81-K-DE-002/2	Delete the work "Standard" for OLF cameras

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: OTV: SECTION A-6		2. REPLACES PAGE (S)A-6-3 DATED 2-7-79	3. PAGE NO. A-6-3 4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8 R
10. LOCATION			

8. ITEM NO.	11.	
	REVISION 2	R
	SSP01321	Locates OTV Monitors in the LCC
	REVISION 3	R
	SP-OPN (77-192) Memo, Subject: PAO Requirements.	
	SSP01735R¹	Adds 3 OTV Cameras "Carry On" on board Orbiter
	Baseline Vol. 81 Section C 8/26//7	Retains current OTV capability in SAEF 1 & 2 for future program use
	Baseline FEDP 70 7/25/77	Adds OTV Monitors & 1 TV Camera for MPC
	SSP01234	OTV for FCTB

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: OTV: SECTION A-6		2. REPLACES PAGE (S)	3. PAGE NO. A-6-4
		DATED	4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11.	
		REVISION 4
	SSP01965	Change Console titles and OTV monitor inputs LCC Rm 1P9
	SSP02092	Visual Observation & Recording Of Lightning Strikes
	SSP02372	Relocate OTV Control from LACB to LCC for OLF TV Cameras
	SSP02343	Provide 4 each 23" OTV Monitors CR-2 VO/Contractor QA Support Area
	ESR 81467 (Level IV Approved)	Add Photo Boresite OTV Cameras & Monitors
	ESR 80183	Add OTV Monitors to CR 1 & 2, BE-6
	ESR 80687	Administrative OTV Corrections
	ESR 80741	Provides capability for a second OTV switcher
		REVISION 5
	SSP02847	Add Portable OTV to LETF E&O Area
	SSP02903	Relocate OTV Mon from AB-5 to AB-6 LCC and from AC-7 to AC-8
	SSP02417	Add 1XC SW to BC22 & BC24 CR1/2 LCC

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: OTV SECTION A-6		2. REPLACES PAGE (S) A-6-5 DATED 6-25-79	3. PAGE NO. A-6-5
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION			

8. ITEM NO.	11. REVISION 6		
	SSP20437	Add 5 Time Lapse Video Recorders	
	STS00045	Add "Over the Sill" TV Capability to VAB	
	SSP92999	Delete B&W TV Cameras at SLF	
	SSP20400	Add 2-23" B&W OTV Rm. 1P13B LCC	
	SSP0323	Purge 6 OTV Camera Lenses	
	SSP02862R1	Add 1X6 OTV SW for Abort Advisory	R
	SSP20501	Relocate Mon 107 & 108 from AB6 to AB5	R
			R

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: OTV: SECTION A-6			2. REPLACES PAGE (S)A-6-6 DATED 1-11-80	3. PAGE NO. A-6-6
				4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION			Rev 7	

11. CCBD #	ESR #	SUBJECT	CCBD #	ESR #	SUBJECT
SSP20551	83985	Add Dual 8" Mon Cons BCA6 CR1/CR2			
SSP20672	84026	Add 2 OTV Mon for RAD Control Center			
SSP20803	84607	Relocate OTV CAM 37A			
SSP20563	84025	Provide VAB Roof Cameras R1 & P2			
STS00063R1	83942	Retain VAB Roof Cameras R1 & R2			
SSP20753	84318	Reconfigure Hurricane Control CTR OTV Feeds			

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: OTV - SECTION A-6			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. A-6-7 4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION		Rev 8		

11. CCBD #	ESR #	SUBJECT	PAGE #'(S) AFFECTED
SSP21111	85671	ADD DUAL 8" MONS TO CR1 & 2 AB1	B-1-5, B-1-10, B-6-3, B-6-7
SSP21214	85850R1	CR1 MON ADDITION & RELOCATION	B-1-5, B-1-10, B-6-3, B-6-6
SSP21215	85886	CR2 MON ADDITION & RELOCATION	B-1-5, B-6-7, B-6-10
SSP21216	85919	REPLACE ABORT ADVISORY SWITCHER CR1	B-1-5, B-6-16
SSP03793	84012	RELOCATE DUAL 8" MONS FROM CR1 BA10 TO BA12	B-1-5, B-6-3
N/A	N/A	ADMINISTRATIVE CHANGES	A-1-1, A-6-1, A-6-2, A-6-3, A-6-4, A-6-5, A-6-6, B-6-1, B-6-2, B-6-4, B-6-5, B-6-6, B-6-7, B-6-8, B-6-9, B-6-10, B-6-11, B-6-12, B-6-13, B-6-14.1, B-6-14.2, C-6-2
SSP21110	85228	PHOTO CONSOLE ADDITIONS & RECONFIGURATION DUAL 8" MONITORS, CONS. D12, D15, D16, D20	B-1-8, B-6-12, B-6-18
SSP21105R1	85660	ADD DUAL 8" MONITORS TO RM 3R18D	B-6-11, B-6-12
SSP01089		OTV INSTALLATION, LCC	B-6-15.1, B-6-16, B-6-17, B-6-18, B-6-18.1, B-6-19, THRU B-6-34, B-6-34.1, B-6-35
SSP21267	85857	REACTIVATE OTV MON O&C RM 3121	B-6-15
SSP04209	85188	ADD OTV MON, LACB TO WX STA (BLDG J6-553)	B-6-14
SSP21094	85418	DELETE OTV MONITORS CR2, QA AREA	B-1-6

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: OTV - SECTION A-6			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. A-6-8
				4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION				

Rev 8 (cont'd)

11. CCBD #	ESR #	SUBJECT	PAGES #'(S) AFFECTED
SSP21298	85953	ACTIVATE OTV MONITORS O&C, ROOM 3267	B-6-15
SSP02941		KSCNF INSTALLATION	D-6-1, D-6-2, D-6-3, D-6-4, D-6-5, D-6-6, D-6-7, D-6-8, D-6-8.1, D-6-9, D-6-10

1. CLASSIFICATION: _____

(PAGE TITLE) OTV: SECTION A-6			2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. A-6-9
				4. DATE 12-01-80
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 9
10. LOCATION REVISION 9				

11.

CCBD #		ESR #	SUBJECT	PAGE # (s) AFFECTED
SBD 00036		85635	CONTROL ROOM CONSOLE RECONFIGURATION	B-6-1 TO B-6-12
N/A	FEDP 81R9-2	N/A	ADDITIONAL CONTROL ROOM CONSOLE RECONFIGURATION	B-6-3, B-6-4, B-6-6, B-6-7, B-6-8, B-6-10, B-6-11, B-6-15, B-6-16, B-6-17, B-6-18, B-6-18.1, B-6-18.2
N/A		N/A	ADMINISTRATIVE CHANGES	B-1-10, B-6-6, B-6-12, B-6-15, B-6-18.1, B-6-27, D-6-5, B-1-5
N/A	FEDP 81R9-2	N/A	ADMINISTRATIVE CHANGES	B-10.2 TO B-1-10.13, B-6-14
SSP 20753		84318	INSTALL 12" COLOR MONITOR	B-6-15
SSP 21483		86674	RECONFIGURE CR-1 MONITORS	B-6-3, B-6-4, B-6-6, B-6-7, B-6-8, B-6-10
SSP 04378		86239	INSTALL CAMERA 10A	B-6-18.1, B-6-20, B-6-29, B-6-30
SSP 21215		85886	RECONFIGURE CR-2 MONITORS	B-6-7, B-6-16, B-6-19.2
SSP 21111		85671	CR-1 AND CR-2 CONSOLE AB1 MONITORS RECONFIGURATION	B-6-5, B-6-6, B-6-9, B-6-10
SSP 21105		85660	ADD MONITORS IN 3R18D	B-6-11

1. CLASSIFICATION

(PAGE TITLE) OTV: SECTION A-6			2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. A-6-10
				4. DATE 06-01-81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 10
10. LOCATION REVISION 10				

11.

CCBD#	ESR#	SUBJECT	*PAGE #(S) AFFECTED
SSP21094	85418	DELETE OTV MONITORS CR-2, QA AREA	B-1-6
N/A	N/A	ADMINISTRATIVE CHANGES	
		UPDATED CONS. AA5 & AA6 POSITION TITLES	B-1-4
		UPDATED OTV & SW LOCATIONS	B-1-5
		DELETED OTV LOCATIONS. THESE HAVE BEEN PICKED UP IN OTV SECTION.	B-1-8 B-1-9 B-1-10 B-1-10.1 B-1-10.2 THRU B-1-10.13
		REVISED OTV FORMAT SECTION B-6	B-6-1 THRU B-6-35
		RECONFIGURATION OF SW. INPUTS	B-6-27
		INSTALL 19" COL MON/RCVR O&C RM 2042	B-6-25
		ADD NEW OTV CAM AT K7-853	B-6-39
		ADD NEW OTV CAM AT VAB, TWR D 5TH LEVEL	B-6-39
		UPDATE TO 60X100 TVCC 1 SWITCHER POSITIONS	B-6-29.1, B-6-29.2
		UPDATE PAO SECTION D	D-6-3
SSP04792	87227	INSTALL 16 VIDEO RECORDERS IN FR 3 FOR ET INSPEC.	B-6-48

*NOTE: ALL REFERENCES TO B-6 SECTION PAGES REFLECT THE NEW PAGE NUMBERS.

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1. CLASSIFICATION

1. CLASSIFICATION

(PAGE TITLE) OTV: SECTION A-6			2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. A-6-11
				4. DATE 06-01-81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 10
10. LOCATION REVISION 10				

11.

CCBD#		ESR#	SUBJECT	*PAGE #(S) AFFECTED
SSP04974		87484	RELOCATE MONS 108 & 110 FROM FR 1 AB-6 TO AB-7 RELOCATE SW 17 FROM FR 1 AB-7 TO AB-6	B-6-3 B-6-28
SSP04854		85909	RECONFIGURE OTV MON CONS. NUMBERS IN CR2, ROW 3A AND REMOVE 4 DUAL 8" OTV MONS. FROM FR 1 AC ROW.	B-6-5, B-6-6
N/A	FEDP 81-3	N/A	INSTALL 14" MON IN FR 1 BEHIND AA-4 INSTALL 14" COL. MON & SWITCHER IN FR 1 BEHIND AA-1 ADD DUAL 8" OTV MON IN LCC RM. 2P20 AND RENUMBER EXISTING MONS. TO 707 & 708 FROM 652 & 352. INSTALL DUAL 8" OTV MONS. IN OMR CONS. A19 INSTALL DUAL 8" OTV MONS. IN OMR CONS. A20 INSTALL FOUR 23" OTV MONS. IN LCC RM. 3R17A & ONE (1) 23" IN RM 3P14 INSTALL TWO (2) DUAL 8" OTV MONS. IN LCC RM. 3P16 UPDATE COL. MON. LOCATIONS FOR PAO LAUNCH SUPPORT DELETE 25" COL. MON. FROM HQ. RM. 2201	B-6-3 D-6-5, D-6-8 B-6-10 B-6-14 B-6-21 B-6-18 B-6-19 D-6-5 B-6-25
SSP05059		87539	INSTALL TWO (2) RCA CAMS, DUAL 9" MONS. & VIDEO RCDRS.	B-6-24, B-6-39.1, B-6-48
SSP05019		87391	INSTALL NEW OTV CAM ON WATER TOWER PAD A	B-6-38
SSP04793		87240	INSTALL SEVEN (7) OTV CAMS FOR E.T. ON PAD A	B-6-38

*NOTE: ALL REFERENCES TO THE B-6 SECTION PAGES REFLECT THE NEW PAGE NUMBERS.

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1. CLASSIFICATION

1. CLASSIFICATION _____

(PAGE TITLE) OTV:SECTION A-6			2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. A-6-12
				4. DATE 10-08-81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION				

11.

CCBD#	ESR#	SUBJECT	PAGE #(s) AFFECTED
TBD	88673	1. INSTALL 25" COL. RCVR/MON IN ROOM 4P8	B-6-22.1
		2. RELOCATE TWO (2) 8" MONS IN LCC RM 3P16 FROM CONS 0195A16 TO 0195A13.	B-6-19
		3. INSTALL DUAL 8" MON IN LCC FR-1 CONS AC-5	B-6-3
		4. RELOCATE FR-2 MONS AS FOLLOWS:	B-6-6
		FROM BC-2 TO BE-14 " BC-4 TO BE-16 " BE-16 TO BE-20 " BC-10 TO BE-22 " BC-12 TO BE-24	
		5. RELOCATE DUAL 8" MON FROM LCC RM 3R18D TO RM 4P10	B-6-22 & B-6-22.1
SSP 05289	87869	INSTALL DUAL 8" MON IN FR-1 BETWEEN CONS BC-2/3	B-6-4
SSP 05282	87572	INSTALL DUAL 8" MON IN FR-1 CONS BC-20	B-6-4
SSP 05493	88284	INSTALL A 23" MON IN LCC RM 2R22	B-6-11.1
SSP 05410	88165	RELOCATE E.T. MONS, SW & RCDRS FROM FR-3 TO FR-4	B-6-6.3
SSP 05282	87572	INSTALL DUAL 8" MON IN FR-2 CONS BC-20	B-6-6

1. CLASSIFICATION _____

1. CLASSIFICATION K-SM-10.2.81

(PAGE TITLE)	2. REPLACES PAGE (S)	3. PAGE NO.
WIDEBAND/AUDIO GRADE: SECTION A-7	A-7-1 DATED 2-7-79	A-7-1
		4. DATE 8-1-80
5. PROGRAM TITLE FEDP-81 / 9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 8 R
10. LOCATION		

8. ITEM NO

11.

SECTION A-7

FACILITY REQUIREMENTS

WIDEBAND/AUDIO GRADE

Station Set/SE-FAC	Item Number	Facility
81	CR # K-04-967	All
81	CR # K-04-968	All
81	CR # K-07-1052	All

BASELINE REVIEW ACTIONS

RID #	ACTION
81-K-004/2	Adds WB Console at LCC
81-K-VO-059	Adds LCC Internal WB Drawing
81-K-SP-001/2	Adds WB Circuit Summary
81-K-OL-001	Update WB Circuit Titles

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: WIDEBAND/AUDIO GRADE: A-7		2. REPLACES PAGE (S) DATED	3. PAGE NO. A-7-2 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11. BASELINE REVIEW ACTIONS (con't.)	
	RID #	ACTION
	81-D-010	Decreases DOD WB Requirements
	81-G-USB-025	Deletes CMD Circuits to USB
	81-K-DE-006	Deleted WB P/L Circuits
	81-K-DE-007	Deleted WB P/L Circuits
	81-K-DE-008	Deletes WB Duplication
	81-K-DE-009	Deletes WB P/L Circuits
	81-K-DE-010	Corrects TV Master Clock Feed
	81-K-DE-012	Corrects WB Circuit Direction
	81-K-BE-015	Deletes WB P/L Circuits
	81-K-DE-014	Deletes PAO Requirements
	81-K-DE-013	Deletes Measurement Requirements
	81-K-DE-017	Deletes WB P/L Requirement
	81-K-DE-019	Add WB Maintenance Circuit
	81-K-DE-041	Add WB Maintenance Circuit
	81-K-DL-002	Deletes WB OPF/LCC

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: WIDEBAND/AUDIO GRADE: A-7		2. REPLACES PAGE (S) A-7-3 DATED 2-7-79	3. PAGE NO. A-7-3
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8 R
10. LOCATION			

3. ITEM NO.	11. BASELINE REVIEW ACTIONS (con't.)	
	RID #	ACTION
	81-K-DL-003	Adds WB OPF/LCC
	81-K-DL-004	Reassigns Trunk Assignments
	81-K-DL-005	Reassigns Trunk Assignments
	81-K-DL-006	Reassigns Trunk Assignments
	81-K-DL-007	Reassigns Trunk Assignments
	81-K-DL-008	Corrects WB Termination
	81-K-DL-010	Adds WB VAB, Pad
	81-K-DL-013	Adds WB FCTB R
	81-K-DL-014	Adds WB FCTB R
	81-K-DL-015	Deletes WB FCTB R
	81-K-DL-016	Adds WB VAB
	81-K-DL-017	Adds WB VAB, Pad
	81-K-DL-012	Corrects WB Termination
	81-K-DL-011	Deletes WB to M7-1410 & Add WB to M7-961
	81-K-DL-009	Deletes WB UAB

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: WIDEBAND/AUDIO GRADE: A-7		2. REPLACES PAGE (S) A-7-4 DATED 2-7-79	3. PAGE NO. A-7-4
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION			

8. ITEM NO.

11. BASELINE REVIEW ACTIONS (con't.)

RID #	ACTION
81-K-DL-018	Deletes WB UAB
81-K-DL-019	Deletes WB to M7-1410 & Add WB to M7-961
81-K-IN-001/2	Deletes WB for PAO and Measurements
81-K-IN-018	Deletes WB P/L Circuits
81-K-VO-013	No Action Required
81-K-VC-019	Reassigns WB Trunks
81-K-VO-023	Reassigns WB Trunks
81-G-USB-2/2	Adds WB to USB
81-K-SP-003/2	Reassigns WB Trunks
81-K-SP-002/2	Deletes WB to M7-1410 & Add WB to M7-961

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: WIDEBAND/AUDIO GRADE: SECTION A-7		2. REPLACES PAGE (S) A-7-5 DATED 2-7-79	3. PAGE NO. A-7-5
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8 R
10. LOCATION			

8. ITEM NO.	11.

REVISION 2

CCBD #	ACTION	
SSP01242	Delete WB circuit, Item 3, Pages B-7-35, B-7-56	
SSP01262	Delete WB circuit, Item 2, Pages B-7-35, B-7-56	
SSP01374	Water pump station deleted. Deletes wideband circuits between LCC & water pump station Pages B-7-37, B-7-57	R

REVISION 3

CCBD #	ACTION	
SSP01862	Change Nomenclature on Ground Data Bus Circuits	
SSP01305	Delete OTV Wideband Circuit for STDN-GMIL	R
SSP01966	Deletes RF-OIS Backup to CCF	R

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JULY 70

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: WIDEBAND/AUDIO GRADE: SECTION A-7		2. REPLACES PAGE (S)A-7-6 DATED 2-7-79	3. PAGE NO. A-7-6
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8 R
10. LOCATION			

8. ITEM NO.

11.

REVISION 3 (con't)

CCBD #	ACTION
SSP01735R1	Adds WB Ckts OPF to LCC for carry on OTV
SSP01305	Deletes WB Ckt to USB for OTV
Baseline Vol. 81 Section C 8/26/77	Adds PL, US, Spacelab, DOD, CITE Wideband
Baseline FEDP 70 7/25/77	Adds Wideband/Audio Ckts for MPC
SSP01234	Wideband for FCTB

Memo to: Distribution, From: SP/Manager, Shuttle Projects Office. Subject: PAO Requirements - PRB Summary and Action Items (SP-OPN 77-192)

REVISION 4

CCBD #	ACTION
SSP02137	Add DFI ET PCM #1 from OPF, VAB & Pad A to Rcvs.
SSP02110	Delete KU Band hardlines from OPF, Pad A & B to LCC
SSP02066	Add P/L Recorder Serial Out VAB 1, 3 OPF-1, 2, Pad A, B to LCC RPS
SSP01928 & 02005	Delete SRB DFI Impact Recorder

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JULY 70

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: WIDEBAND/AUDIO GRADE: SECTION A-7		2. REPLACES PAGE (S)	3. PAGE NO. A-7-7
		DATED	4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.

11.

REVISION 3 (con't)

CCBD #	ACTION
SSP02191	Orbiter, MLP & Pad Payload Cabling (Section C)
SSP02249	Add LPS U/L Command LCC to GMIL

REVISION 4

SSP02136	Catenary Wire Instrumentation Audio Grade Cable Pairs, PAD/CIF Antenna Site
SSP02249	Add LPS uplink command LCC-MILA
SSP02394	Add Photo MUX 4 to Pads A & B

REVISION 5

FO 394 (ESR 80920R)	Add WB O&C, M7-1061 VPF for CCS System
SSP02576	Delete WB Circuits for Weather Sta. B
STS-00008 (ESR 81347A)	Add WB, O&C/FCTB, VSI for CITE & 8 each Full Duplex Audio Grade Pairs
SSP20267	Add 19 GA Ckt. Photo Console, LCC to CCAFS
STS00013 (ESR 81783 & 81734)	Add Ku-Band RF System for Spacelab 50 MBPS from OPF C&T to O&C

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: WIDEBAND/AUDIO GRADE: SECTION A-7		2. REPLACES PAGE (S) New	3. PAGE NO. A-7-8
		DATED	4. DATE 6-25-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 6
10. LOCATION			

8. ITEM NO.	11. REVISION 6	
	CCBD #	ACTION
	STS00029	Add WB PTCR-A to LCC 2P19
	SSP02862R1	Add WB CRT for ETR Tracking Camera to Abort Advisory Console

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JULY 70

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: WIDEBAND/AUDIO GRADE: SECTION A-7			2. REPLACES PAGE (S) A-7-9 DATED 1-11-80	3. PAGE NO. A-7-9
				4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 8 R
10. LOCATION				

11.

REVISION 7

CCBD #	ESR #	SUBJECT
SSP20672	84026	Add 1TVC2077 to RAD Control Center R

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: WIDEBAND/AUDIO GRADE: SECTION A-7		2. REPLACES PAGE (S) DATED 08-01-80	3. PAGE NO. A-7-10
			4. DATE 12-01-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 9
10. LOCATION		Rev 8	

8. ITEM NO.	11. CCBD #	ESR #	SUBJECT	PAGE #'(S) AFFECTED
	N/A	N/A	ADMINISTRATIVE CHANGES	A-7-1, A-7-2, A-7-3, A-7-4, A-7-5, A-7-6, A-7-7, A-7-8, A-7-9, B-7-1, B-7-7 THRU B-7-59, B-7-60, B-7-75, B-7-89, B-7-92
	SSP21548	86438	W/B INSTALLATION, LCC CONTRAVES VIDEO WIDEBAND CIRCUIT	B-7-2, B-7-3 B-7-43, B-7-90
	STS00048	77172.0581	ADD W/B FOR LPS DATA BUS	B-7-52, B-7-55, B-7-56, B-7-83, B-7-84, B-7-91
	SSP20934	85032	W/B RQMTS FOR ESS.	B-7-57, B-7-58, B-7-59, B-7-93, B-7-94
	SSP21218	85952	W/B CKT ASSIGNMENTS, GND DATA BUS 2	B-7-16, B-7-17
	SSP21267	85857	W/B CKT TO SUPPORT O&C RM. 3121	
	SSP04209	85188	ESTABLISH W/B CKT TO WX STA B (J6-553)	B-7-43, B-7-79, B-7-90
	N/A	N/A	ADMINISTRATIVE CHANGES	C-7-4 THRU C-7-27
	SSP21219	85951	RECONFIGURE SAEF RF-OIS W/B FIBER OPTICS CABLE INSTALLATION ADMINISTRATIVE CHANGES	C-7-11, C-7-12, C-7-32 C-7-28 D-7-1 THRU D-7-5
	SSP21213	85843	ADD W/B FOR PAO OFF SITE NEWS FACILITY	D-7-2, D-7-6
	SSP21265	85808	ADD W/B FOR UCS15 COLOR VAN 4	D-7-3, D-7-6

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: WIDEBAND/AUDIO GRADE: SECTION A-7		2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. A-7-11
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION	Rev 8 (con'd)		

8. ITEM NO.	11. CCBD #	ESR #	SUBJECT	PAGE #'(S) AFFECTED
	SSP03159		INSTALL CHASE PLANE W/B CKT	D-7-6
	SSP02941		INSTALL COLOR VAN W/B CKTS	D-7-6
	SSP02941		INSTALL PAFB TRACKER/O&C COLOR CAM W/B CIRCUIT	D-7-6
	DE REVIEW LTR FOR REV 7		ADDING LINK FOR 1TVC2077 TO CIF	D-7-43, B-7-90
	EI81866.2-016-00		ADD W/B CIRCUIT FOR COLOR CAM AT LC 39, PERIMETER SITE 2	D-7-6

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(PAGE TITLE) WIDEBAND/AUDIO GRADE: SECTION A-7			2. REPLACES PAGE (S) ADDED DATED
			3. PAGE NO. A-7-12
			4. DATE 12-01-80
5. PROGRAM TITLE FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.
			7. REVISION NO. 9
10. LOCATION			

11

ESR #	CCBD #	MISC	SUBJECT	PAGE # (s) AFFECTED
86402	SSP 21405		ADD W/B CKT TO O&C	B-7-44, B-7-90
85188	SSP 04209		ADD 2 UNEQUIPPED W/B CKTS TO WX STA B	B-7-45, B-7-89
85655	SMM 00109		DELETE 2 EQUIPPED & 16 UNEQUIPPED W/B CKTS	C-7-7, C-7-20 to C-7-22, C-7-30 to C-7-32
TBD	TBD		CHANGE VPF & SAEF OTV CKT #'s AND TITLES	B-7-47, B-7-90, B-7-95, B-7-57
N/A	N/A	FEDP 81R9-1	W/B CKTS FOR ESS	B-7-58, B-7-59, B-7-94, B-7-95
			DELETE OFF SITE PAO NEWS CKTS	D-7-2, D-7-6
			DELETE 1TVC2077 TO WX STA B	B-7-90
			DELETE 16 W/B CKTS TO AM, AO & S	B-7-58
			DELETE 2 W/B CKTS (LCC TO KSCNF)	D-7-3, D-7-6
N/A	N/A	N/A	ADMINISTRATIVE CHANGES	A-7-10 B-1-4, B-7-11 TO B-7-13, B-7-16, B-7-22, B-7-26, B-7-34, B-7-40, B-7-43, B-7-59, B-7-60, B-7-75, B-7-88, B-7-90, B-7-92 TO B-7-94, D-7-3, D-7-6
TBD	TBD		DELETE 46A CARRIER SYSTEM W/B CKTS	B-7-42, B-7-91

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1. CLASSIFICATION _____

(PAGE TITLE) Wideband/Audio Grade: Section A-7			2. REPLACES PAGE (S) New DATED	3. PAGE NO. A-7-13
				4. DATE 06-01-81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 10
10. LOCATION				

11.

ESR#	CCBD#	MISC	SUBJECT	P#(s) AFFECTED
		Restructuring of FEDP-81 Wideband Sections	Deletion of Alpha-numeric circuit listings to reduce duplications	B-7-8 thru B-7-59 C-7-4 thru C-7-27 D-7-2 thru D-7-5
			Renumbering of circuits	Maintenance circuits cargo circuits ESS Circuits OIS Circuits
			Inclusion of proposed but unapproved programs for planning purposes	Modular Auxiliary Data Systems (B-7-53 thru B-7-59) NRP TV (B-7-88)
		DE implementation ESS	Design changes of ESS	B-7-94 & B-7-95
			Wideband PRB, FEB, 1981	Cargo circuits
86318	SSP 04794		Addition of temporary wideband circuits for PAO support	D-7-6
87227	SSP 04792		Addition of temporary wideband circuits for ET inspection (secondary support)	B-7-90

1a. CLASSIFICATION _____

(PAGE TITLE) WIDEBAND/AUDIO GRADE: SECTION A-7			2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. A-7-14
				4. DATE 10-08-81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION				

11. CCBD#	ESR#	SUBJECT	PAGE #(s) AFFECTED
TBD	88737	1. INSTALL 1TVM9024 FROM OLF TV TWR 1 TO KSCNF	D-7-6
		2. INSTALL 1TVM9022 & 9023 O&C/CDSC FOR I/A RF-OIS	B-7-94
		3. INSTALL 1TVM9020 & 9021 FROM VAB 5TH & 16TH LVLS TWR F TO KSCNF FOR COLOR CAMS.	D-7-6
		4. INSTALL 1TVM9019 OPF/KSCNF FOR COLOR CAM.	D-7-6
		5. RECONFIGURE 1TVM2104 AND DELETE 1TVM2101	D-7-6, D-7-7
		6. RECONFIGURE 1TVC2106/M2115	D-7-6, D-7-7
		7. INSTALL 1TVM9018 FROM VAB 16TH LEVEL TO KSCNF	D-7-6
		8. DELETE 1LPM3223. (IT IS A DUPLICATE.)	B-7-87
		9. DELETE REF TO RM 2207 ON 1TVM2128	B-7-92
		ELV CHANGES	
N/R	N/R	1. REMOVE TIME SHARE ON 1TV 057/117	C-7-12
		2. DELETE HANGAR AM LEG OF 1TVC443	C-7-9
		3. REMOVE ALL SHUTTLE 4-DIGIT CIRCUIT NUMBERS	C-7-9 , C-7-12
85870	SDP0051	4. ADDS ELV CONFIGURATION TO CARGO SECTION C-6	C-6-4 THRU C-6-16, C-6-18,C-6-19,C-6-22

NOTE: ALL REFERENCE TO PAGE NUMBERS REFLECTS THE NEW DRAWING PAGE NUMBERS FOR REVISION 11.

1. CLASSIFICATION

(PAGE TITLE) WIDEBAND/AUDIO GRADE: SECTION A-7			2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. A-7-15
				4. DATE 10-08-81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION				

11.

CCBD #	ESR #	SUBJECT	PAGE #(s) AFFECTED
SSP05281R4	87910	INSTALL ONE UNEQUIPPED W/B CKT FROM LCC TO PTCRA FOR MSMTS DATA "MLP PCM B".	B-7-89
TBD	87791	INSTALL 1TVM4501 FROM OPF TO O&C FOR OSS 1	C-7-16
SSP05324	87826	INSTALL 1TVM9017 FROM TEL 4 TO GMIL FOR GBI TLM DATA	B-7-88
TBD	86356	INSTALL 1TVM9016 FROM SLF MDD TO KSCNF	D-7-6
CE0014	80163	INSTALL A W/B CKT FROM VPF TO O&C	C-7-7
TBD	86789	INSTALL TWO (2) W/B CKTS LCC/GMIL AND BACK. (1.344 MBS DOWNEY)	B-7-88
-05419	87947	CHANGE W/B CABLE TO 19 GAUGE ON W/B CKTS 1DTM5504,C5505,M5506.	C-7-19
		CHANGE W/B CKTS TO MODEM CKTS ON 1TVC4047,M4087,M4090, 1TVM1723, 1TVM1725 AND 1TVC 030.	C-7-7, C-7-18 B-7-88, C-7-9
		MODIFY 1TVC 443 AND UTILIZE TO MEET 1TVC4038 REQUIREMENT	C-7-9
STS00082	86816	TWO W/B CKTS FOR SECURE VOICE	C-7-19
TBD	88447	ADDITIONAL W/B CIRCUITS TO SUPPORT MADS	B-7-62,B-7-63,B-7-64, B-7-67,B-7-68,B-7-69, B-7-70,B-7-74,B-7-75, B-7-77,B-7-81,B-7-82, B-7-83,B-7-84

NOTE: ALL REFERENCE TO PAGE NUMBERS REFLECTS THE NEW DRAWING PAGE NUMBER FOR REVISION 11.

1. CLASSIFICATION _____

(PAGE TITLE) WIDEBAND/AUDIO GRADE: SECTION A-7			2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. A-7-16
				4. DATE 10-08-81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION				

11.

ADMINISTRATIVE CHANGES

NOTE: ADMINISTRATIVE CHANGES LISTED BELOW DO NOT CHANGE CONFIGURATION IN ANY WAY. THEY ARE SHOWN FOR TRACKING CONTINUITY ONLY.

SUBJECT	PAGES AFFECTED
1. UPDATE WIDEBAND CIRCUIT TITLES ON CIRCUITS 1TVM2021 THRU 1TVM2028, 1TVM2124 THRU 1TVM2129.	B-7-95
2. UPDATE WIDEBAND CIRCUIT TITLES ON CIRCUITS 1DAM4512 AND 4513.	C-7-16
3. UPDATE WIDEBAND CIRCUIT TITLES ON CIRCUITS 1LPM3215 THRU 1LPM3218.	B-7-85
4. MOVE 1TVC2079 FROM SECTION D TO SECTION B.	D-7-6, B-7-90
5. MOVE 1TVM2021 THRU 2028 AND 1TVM2061 FROM B SECTION TO C SECTION.	B-7-94, C-7-15
6. MOVE ALL CARGO MAINT CIRCUITS FROM B SECTION TO C SECTION.	B-7-95, C-7-14

NOTE: ALL REFERENCE TO PAGE NUMBERS REFLECTS THE NEW DRAWING PAGE NUMBERS FOR REVISION 11.

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: FEEDER CABLE: SECTION A-8		2. REPLACES PAGE (S)	3. PAGE NO. A-8-1
		DATED	4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.

11.

SECTION A-8

FACILITY REQUIREMENTS

FEEDER CABLE

Station Set/SE-FAC	Item Number	Facility
81	81-17-30-306	OLF
81	81-19-30-306	OPF
81	81-20-30-306	SVA&C
81	81-21-30-306	HMF
81	81-22-30-306	MLP
81	81-23-30-306	Pads
81	81-25-30-306	LRU Maintenance Facilities
81	81-27-30-306	Flight Crew Systems
81	81-28-30-306	LCC
81	81-31-30-306	SRB Processing & Storage
81	81-32-30-306	SRB Retrieval & Disassembly
81	81-33-30-306	ET Processing & Storage

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: FEEDER CABLE: SECTION A-8		2. REPLACES PAGE (S) DATED	3. PAGE NO. A-8-2 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11. Station Set/SE-FAC	Item Number	Facility
	81	81-35-30-306	SRB Refurbishment & Subassembly
	81	81-AA-30-306	VABR
	81	81-AC-30-306	Weather Station "B"
	81	81-AF-30-306	CD&SC
	81	81-AG-30-306	BRRS
	81	81-AH-30-306	Auditorium & Training Facility
	81	81-AL-30-306	FCTF
	81	81-AM-30-306	KSC Headquarters
	81	81-AO-30-306	MILA USB
	81	81-AZ-30-306	Compressor Converter Facility
	RID #		ACTION
	81-K-IN-006		Extends Cathodic Protection to Cables LCC-Pads A & Pad B
		REVISION 3	
	SSP01897		19GA Cable for SAIL
	SSP01408R2		19GA Cable for MSFC HOSC

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: COMMUNICATIONS CENTER FACILITIES: SECTION A-9		2. REPLACES PAGE (S) DATED	3. PAGE NO. A-9-1 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.

11.

SECTION A-9

FACILITY REQUIREMENTS

COMMUNICATIONS CENTER FACILITIES

Station Set/SE-FAC	Item Number	Facility
81	Section IVB/30-D	O&C, KSC Hdq.

BASELINE REVIEW ACTIONS

RID #	ACTION
81-K-TS-100	Relocates weather TTY from O&C to LCC

85

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: TIMING: SECTION A-10		2. REPLACES PAGE (S)	3. PAGE NO. A-10-1
		DATED	4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.

11.

SECTION A-10

FACILITY REQUIREMENTS

TIMING

Timing requirements have been validated and approved by CR 79630, dated October 28, 1976.

BASELINE REVIEW ACTIONS

RID #	ACTION
81-K-DE-047	Delete Timing Pad A
81-K-DE-025	Delete Timing MLP
81-D-DE-026	Delete Timing VAB
81-K-VO-014	Change Timing OPF
81-K-DE-023	Change Timing OPF
81-K-DE-020	Change Timing HMF
81-K-DE-021	Change Timing LCC
81-K-VO-039	Change Timing LCC
81-K-DE-022	Change Timing LCC
81-K-DE-049	Change Timing LCC
81-K-DE-027	Change Timing OLF
81-K-DE-024	Change Timing LETF
81-K-DE-048	Change Timing CD&SC

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: TIMING: SECTION A-10		2. REPLACES PAGE (S)	3. PAGE NO. A-10-2
		DATED	4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.

11.

REVISION 2

Study RID #	ACTION
81-K-DE-050 12/09/76	Status of Timing Distribution from CIF Clarified

REVISION 3

CCBD #	ACTION
SSP01409	Change LCC Timing Requirement from IRIG G to IRIG H
SSP01395	Change OLF Timing Requirement from IRIG G to IRIG A
SSP01409	Deletes IRIG G in LCC - Add IRIG H
Baseline Vol. 81 Section C 8/26/77	Adds Timing for PL, US, Spacelab, CITE
SSP01234	Timing for FCTB

REVISION 5

STS00024	Add IRIG E to VPF
SSP02520	Add IRIG B to VAB
STS00035	Add IRIG B&H to O&C Rooms 1263 & 1255

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: TIMING: SECTION A-10		2. REPLACES PAGE (S) New DATED	3. PAGE NO. A-10-3 4. DATE 6-25-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 6
10. LOCATION			

8. ITEM NO.	11. REVISION 6	
	SSP20345	Add Timing to VAB Rms. 2K11 & 2K14
	STS00034	Add Timing to O&C
	STS00029	Add Timing to LCC, MLP-1 & PTCR-A
	STS00044	Add "SRB Ignition Command" Signal to CCAFS

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: COUNTDOWN: SECTION A-11		2. REPLACES PAGE (S) DATED	3. PAGE NO. A-11-1
			4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.

11.

SECTION A-11

FACILITY REQUIREMENTS

COUNTDOWN

Countdown requirements have been validated and approved by CR 79630, dated October 28, 1976.

BASELINE REVIEW ACTIONS

RID #	ACTION
81-K-DE-030	Deletes CD on MLP
81-K-DE-032	Deletes CD in Fire Station
81-K-VO-060	Add CD to OPF
81-K-DE-031	Updated CD for LETF
81-K-DE-028	Adds CD to OLF
81-G-USB-030	Decreases CD in USB
81-K-DE-029	Updates CD in LCC CRs
81-K-DE-043	Adds CD for RPS
81-K-IN-010	Provides CD location for CDS
81-K-SF-013	Adds CD to 1P10
81-K-DE-044	Adds CD to PAD
81-K-VO-041	Adds CD to PTCR

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: COUNTDOWN: SECTION A-11		2. REPLACES PAGE (S)	3. PAGE NO. A-11-2
		DATED	4. DATE 6-25-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 6
10. LOCATION			

8. ITEM NO.	11.	
	CCBD #	ACTION
	REVISION 3	
	Baseline Vol. 81 Section C 8/26/77	Adds Countdown for PL, US, Spacelab, CITE
	Baseline FEDP 70	Adds CD for MPC
	REVISION 4	
	SSP02131	Add CCAFS Central timing
	SSP02343	Add 3 countdown clocks to CR 2 VO/Contractor QA Support Area
	SSP02439	Adds two CD Units to 2P17/18
	REVISION 5	
	SSP21075	Add Local CD Control to LETF
	SSP02975 SSP03041	Add Cast System to Support MSFC & GSFC for Countdown
	REVISION 6	
	SMP00039	Add CS Display Units in O&C & VPF for CITE
	STS00044	Add SRO/Holdfire, Count/Hold, NASA Serial Count to RCC CCAFS
	SSP20400	Add CD Rm. 1P13B LCC

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: COUNTDOWN: SECTION A-11			2. REPLACES PAGE (S) A-11-3 DATED 1-11-80	3. PAGE NO. A-11-3 4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION				

11. CCBD #	ESR #	SUBJECT	CCBD #	ESR #	SUBJECT
SSP20727	84472 (Note)	Add CD Unit to Rm 3287 O&C			
SSP20680R1	84279	Add CD Units to Count/Hold TVC Hot Fire Van			

1. CLASSIFICATION K-SM-10.2.81

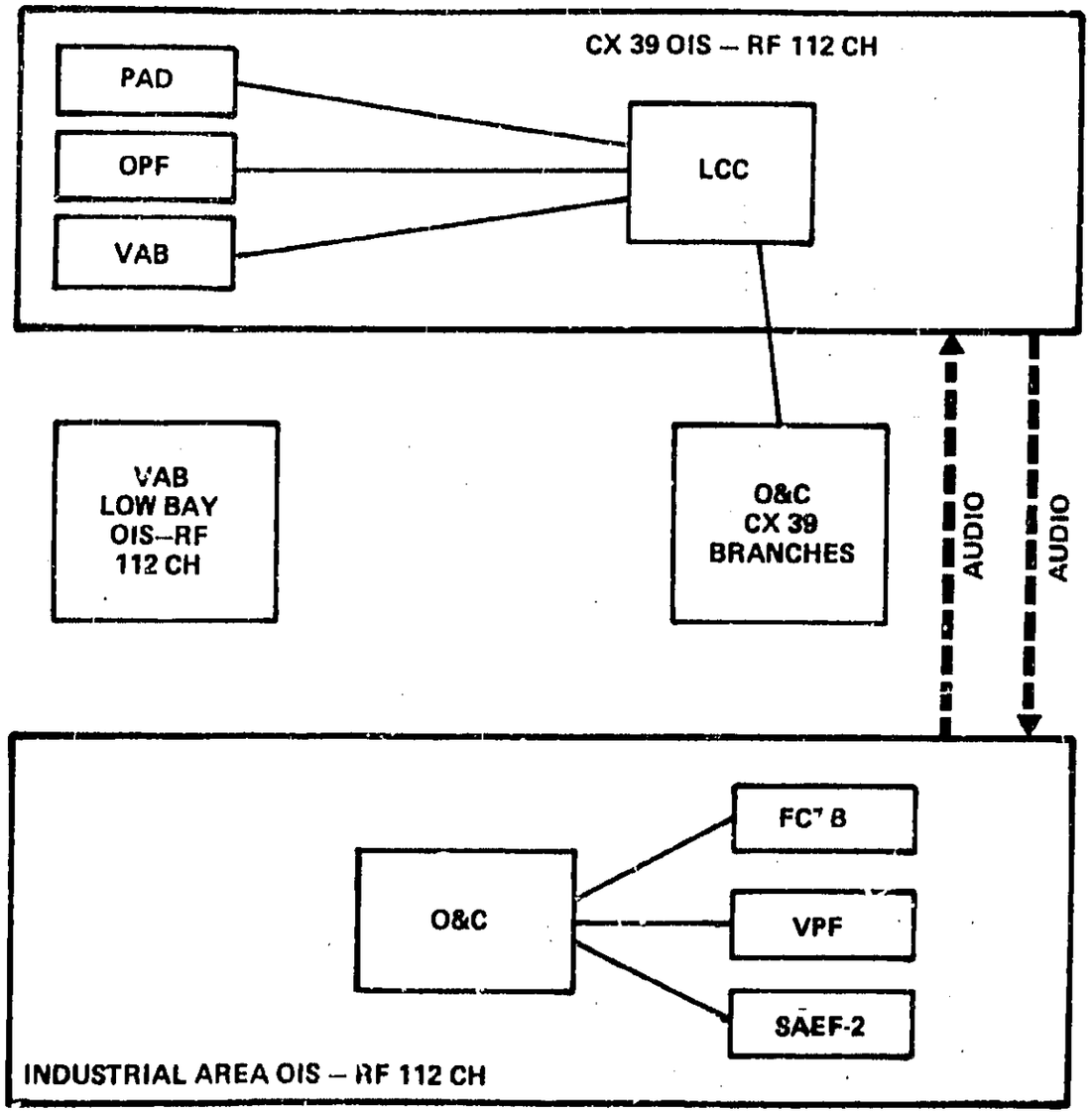
PAGE TITLE: SECTION B		2. REPLACES PAGE (S) DATED	3. PAGE NO. B-0-1 4. DATE 2-7-79
5. PROGRAM TITLE: FEDB-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11.

IMPLEMENTATION BY COMMUNICATION SYSTEM

This section lists the implementation plans for Communication System for STS on a system-by-system basis.

OIS – RF SYSTEMS
"TWO 112 CHANNEL SYSTEMS"



CONTROL ROOM #1 MANAGEMENT AREA

OSR

OMR

REV. 10
06-01-81

AA-1	AA-2	AA-3	AA-4	AA-5	AA-6
PA PAO DIRECTOR 51	TS DIRECTOR TS 51	CD KSC CENTER DIRECTOR (KSC) 51	VO LAUNCH DIRECTOR (LOD) 51	VO DIRECTOR STS PROCESSING 51	VO DIRECTOR CARGO OPERATIONS 51

AB-1	AB-2	AB-3	AB-4	AB-5	AB-6	AB-7	AB-8
TS Technical Support Controller (CSTM) 51	TS Technical Support Controller (CSTM) 51	VO Ass't OTC Contractor (OTC) 51	VO OTC Contractor (OTC) 51	VO STS Test Director (NTD) 51	VO STS Test Director (A NTD) 52	VO Ass't STS Test Director (STD) 51	VO Landing Recovery Director (LRD) 51

AC-1	AC-2	AC-3	AC-4	AC5	AC6	AC7	AC8
SF KSC Safety 51	SF KSC Security 51	MD Bio Med	MD Bio Med 51	CO Payloads Test Director (PTD) 51	CO Payloads Test Conductor Contractor (PTC) 51	VO SRB TC Contractor (BTC) 51	VO ET TC Contractor (ITC) 51

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B		2. REPLACES PAGE (S) DATED	3. PAGE NO. B-1-1 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11.
	SECTION B-1 OIS

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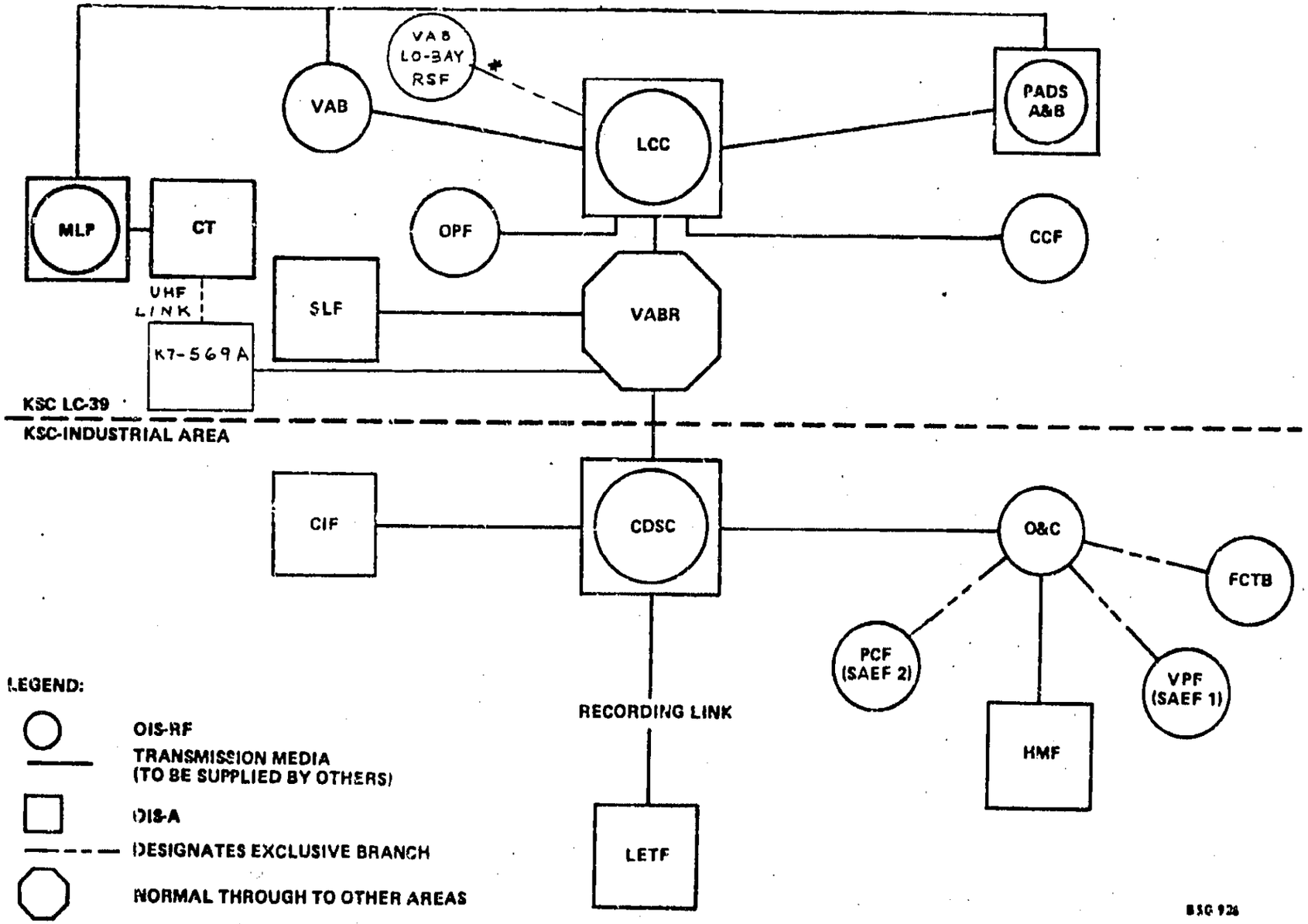
JULY 70

OPERATIONAL INTERCOM SYSTEM
OIS LOCATIONS



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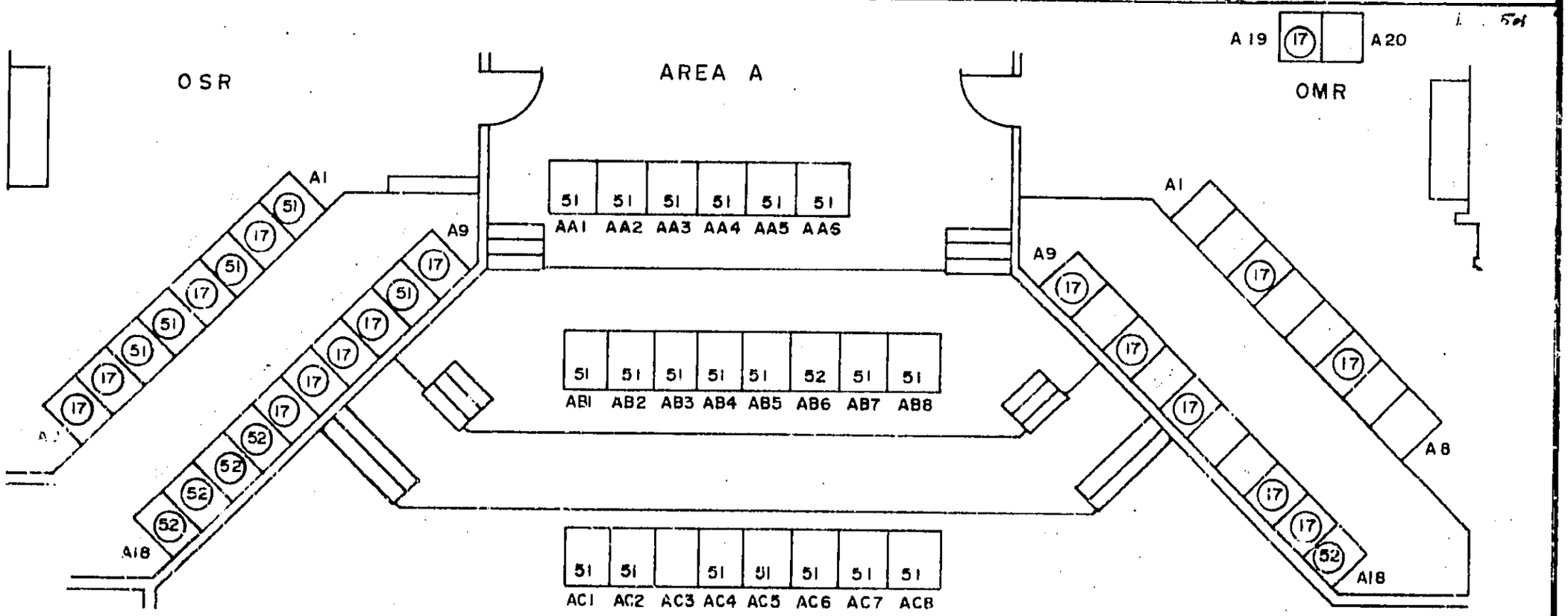
1. CLASSIFICATION _____

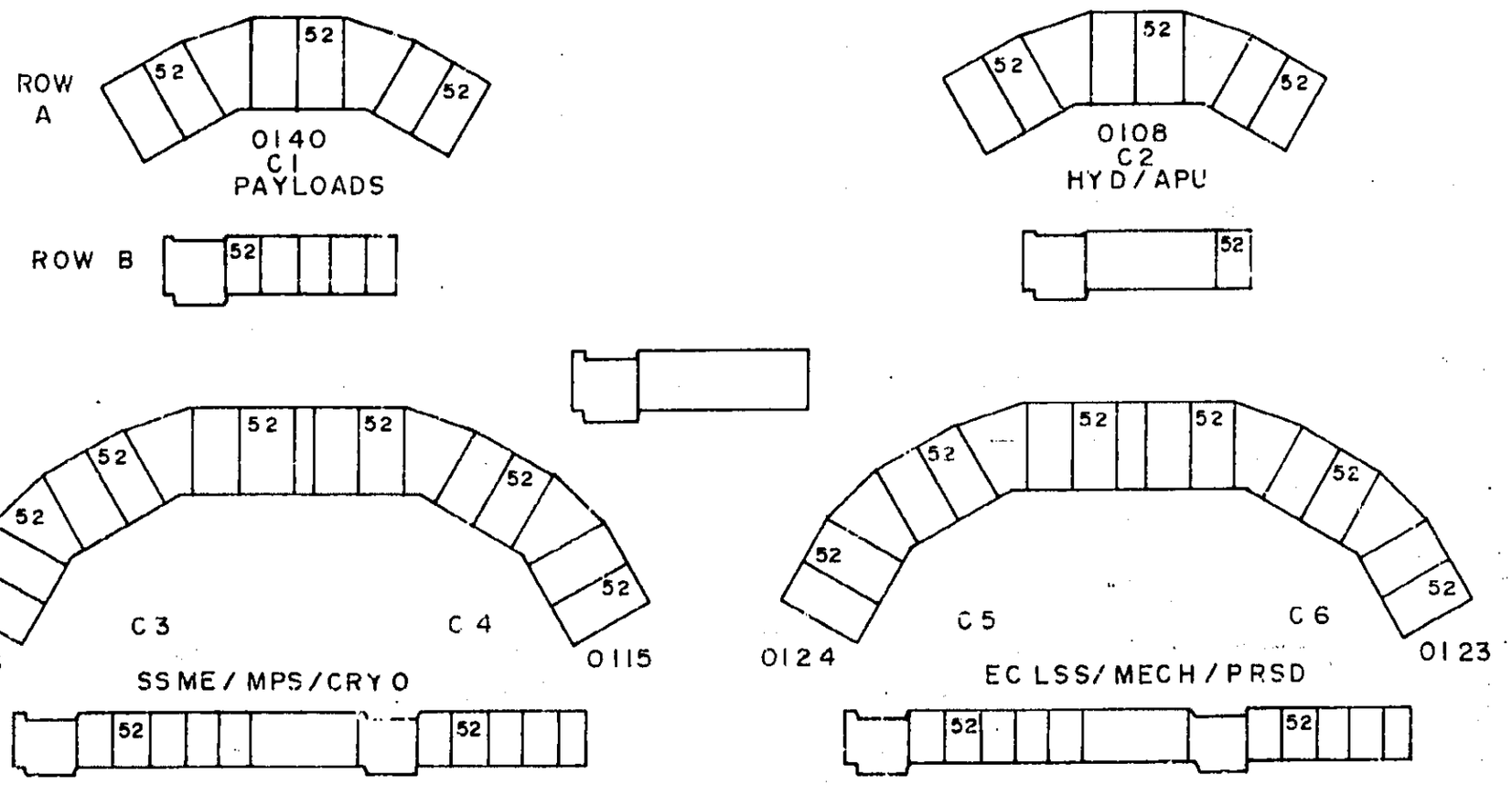
(PAGE TITLE) B-1 OIS			2. REPLACES PAGE (S) / DATED	3. PAGE NO. B-1-5
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION CR-1				



1. CLASSIFICATION

(PAGE TITLE) B-1 OIS			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. B-1-5.1
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION CR-1				

AREA B



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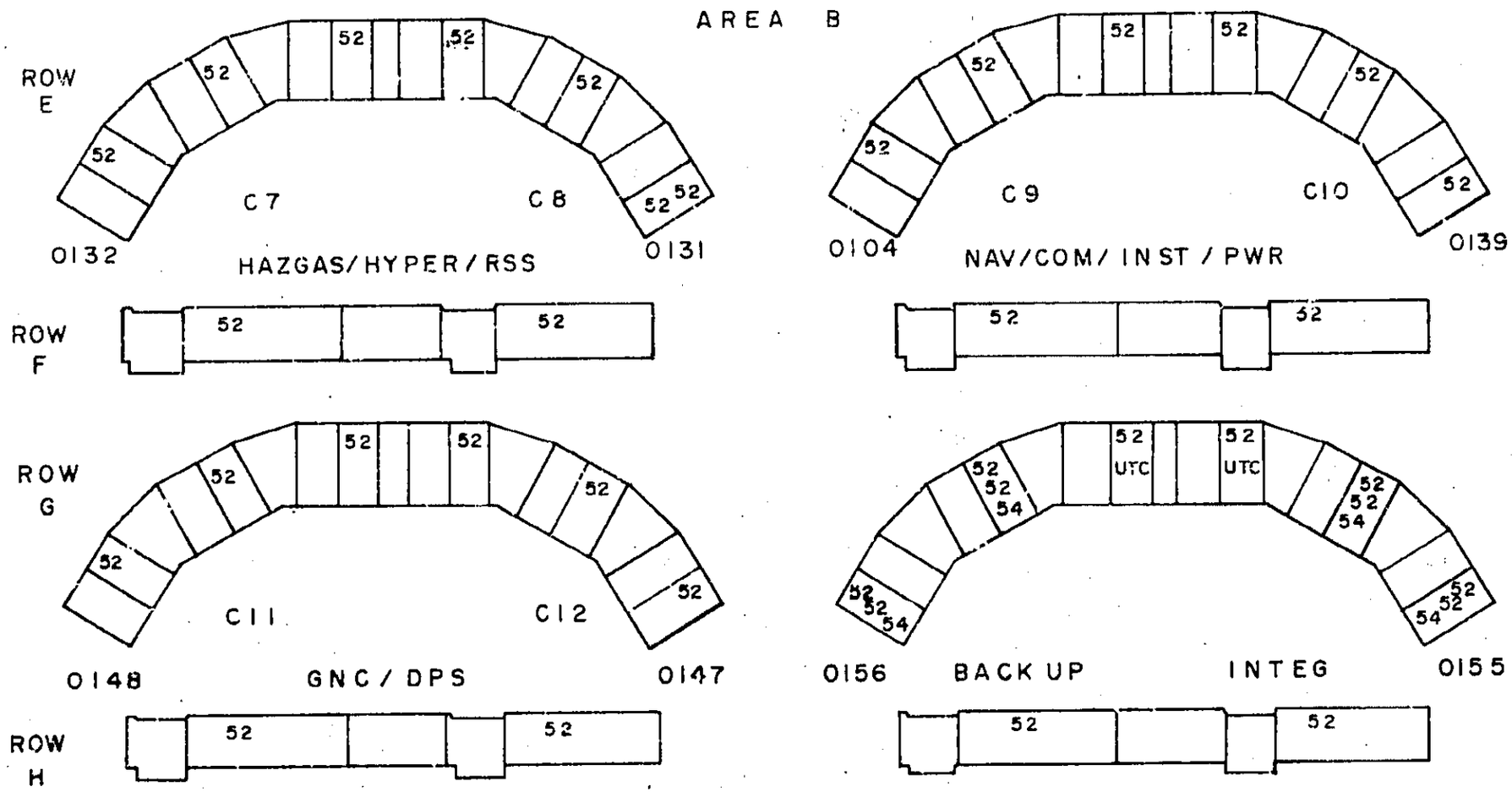
1. CLASSIFICATION

1. CLASSIFICATION _____

(PAGE TITLE) B-1 OIS			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. B-1-5.2
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION CR-1				



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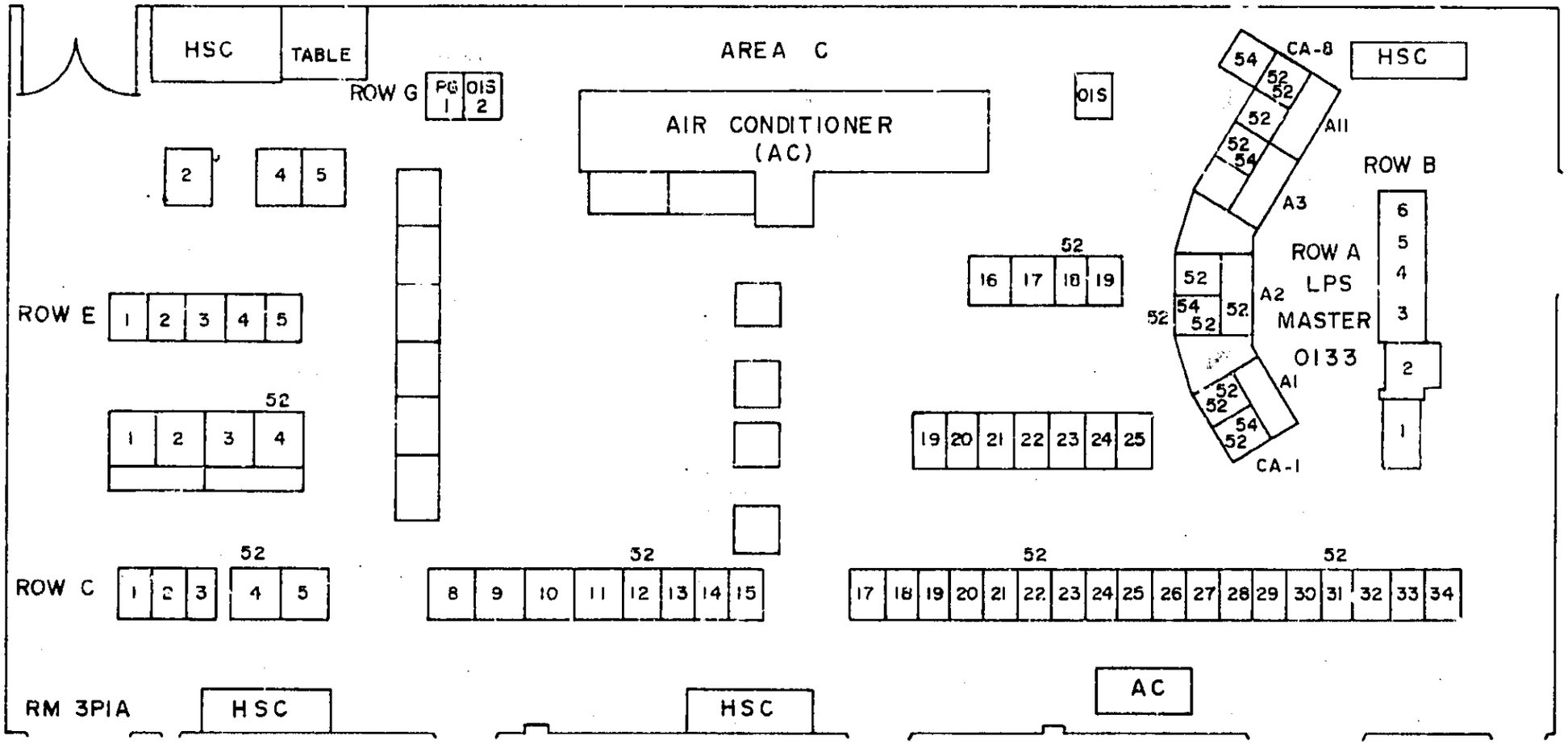
JULY 70

1. CLASSIFICATION _____

1. CLASSIFICATION _____

(PAGE TITLE) B-1 OIS			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. B-1-5.3
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION CR-1				



UDS FORM S C/C
JULY 70

1. CLASSIFICATION _____

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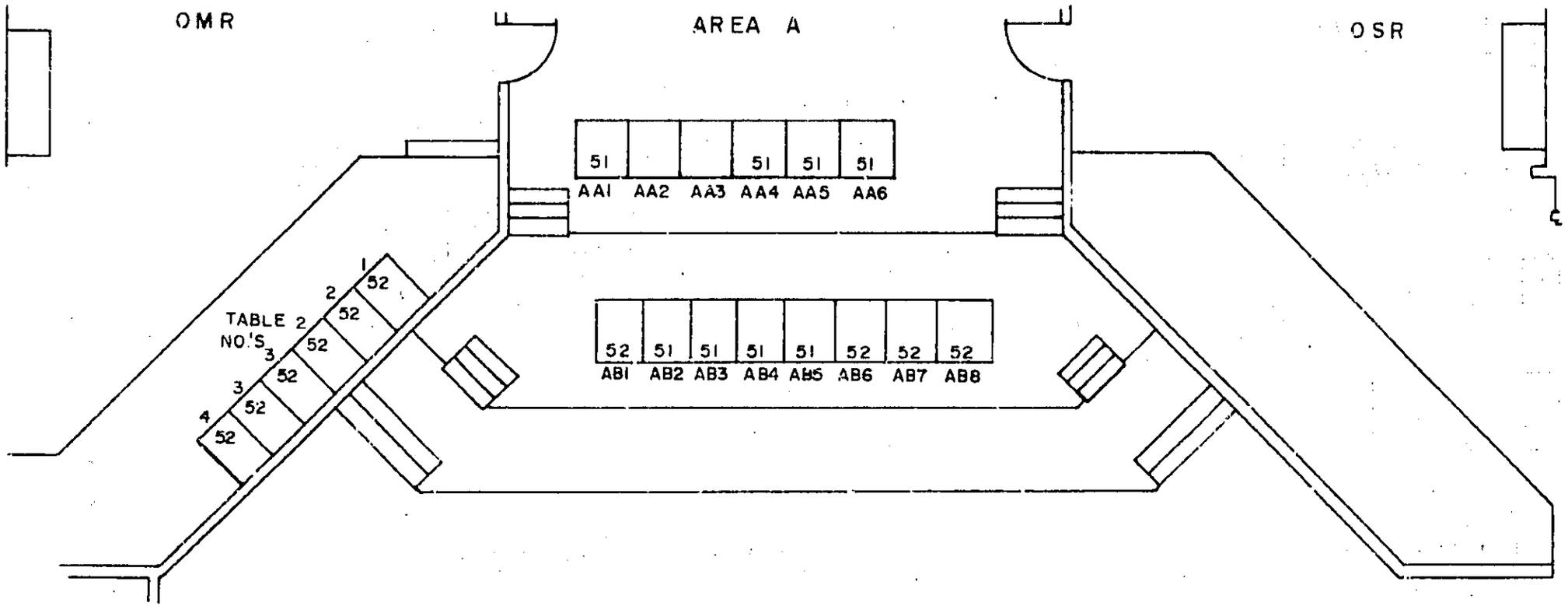
1. CLASSIFICATION

(PAGE TITLE) B-1 OIS			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. B-1-5.4
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION CR-2				

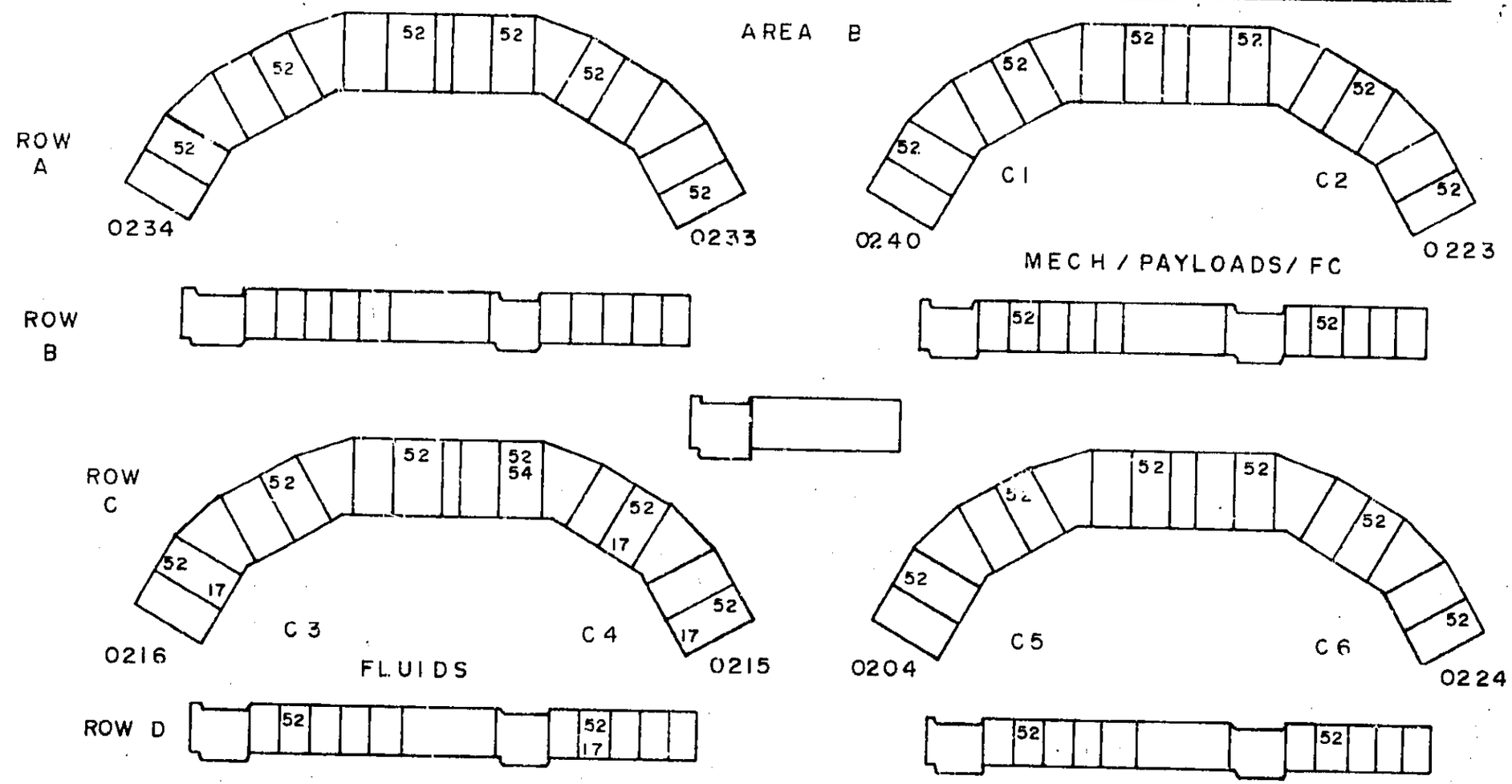


UDS FORM S C/C
JULY 70

1. CLASSIFICATION

1. CLASSIFICATION _____

(PAGE TITLE) B-1 OIS			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. B-1-5,5
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION CR-2				

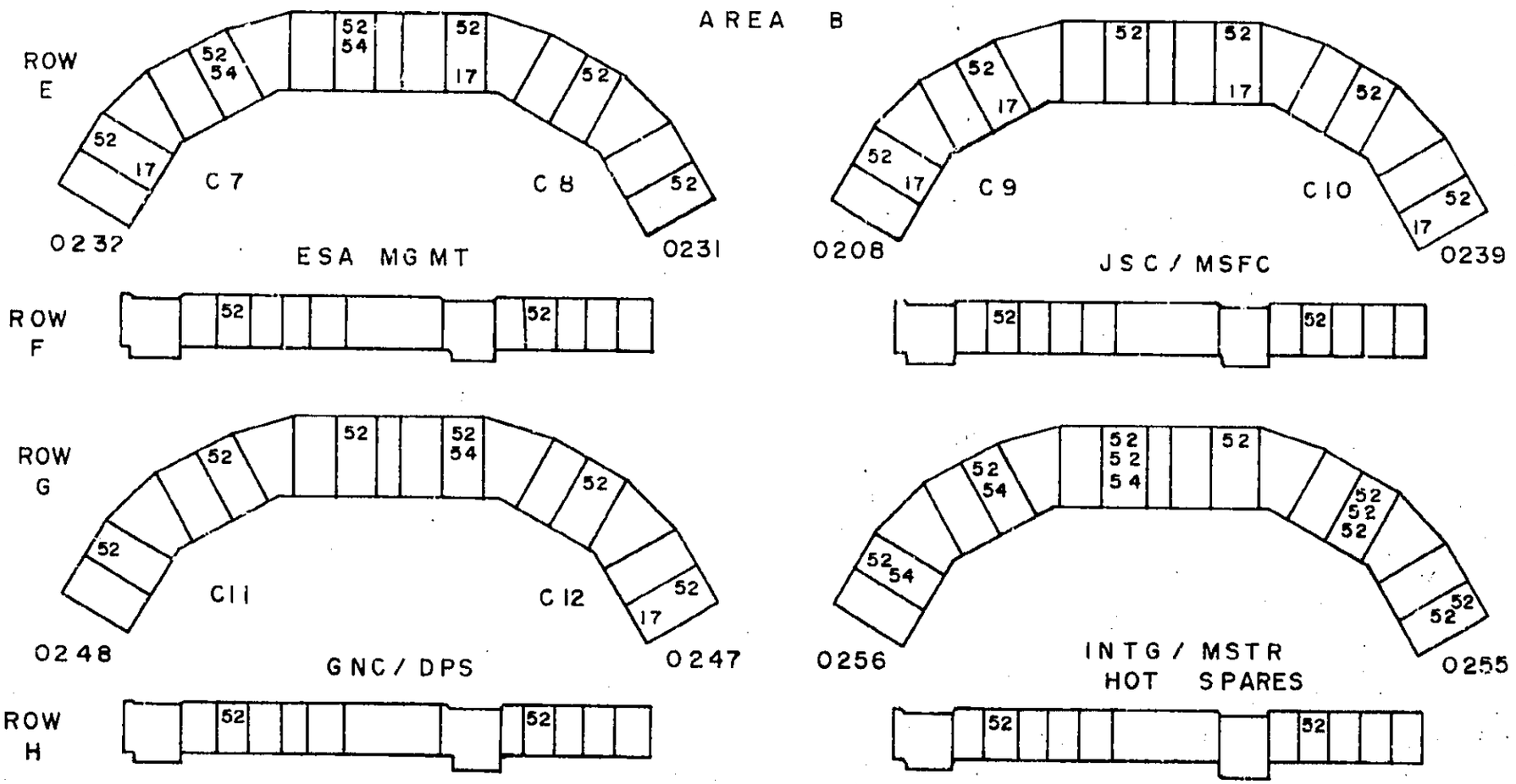


UDS FORM S C/C
JULY 70

1. CLASSIFICATION _____

1. CLASSIFICATION _____

(PAGE TITLE) B-1 OIS			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. B-1-5.6
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION CR-2				

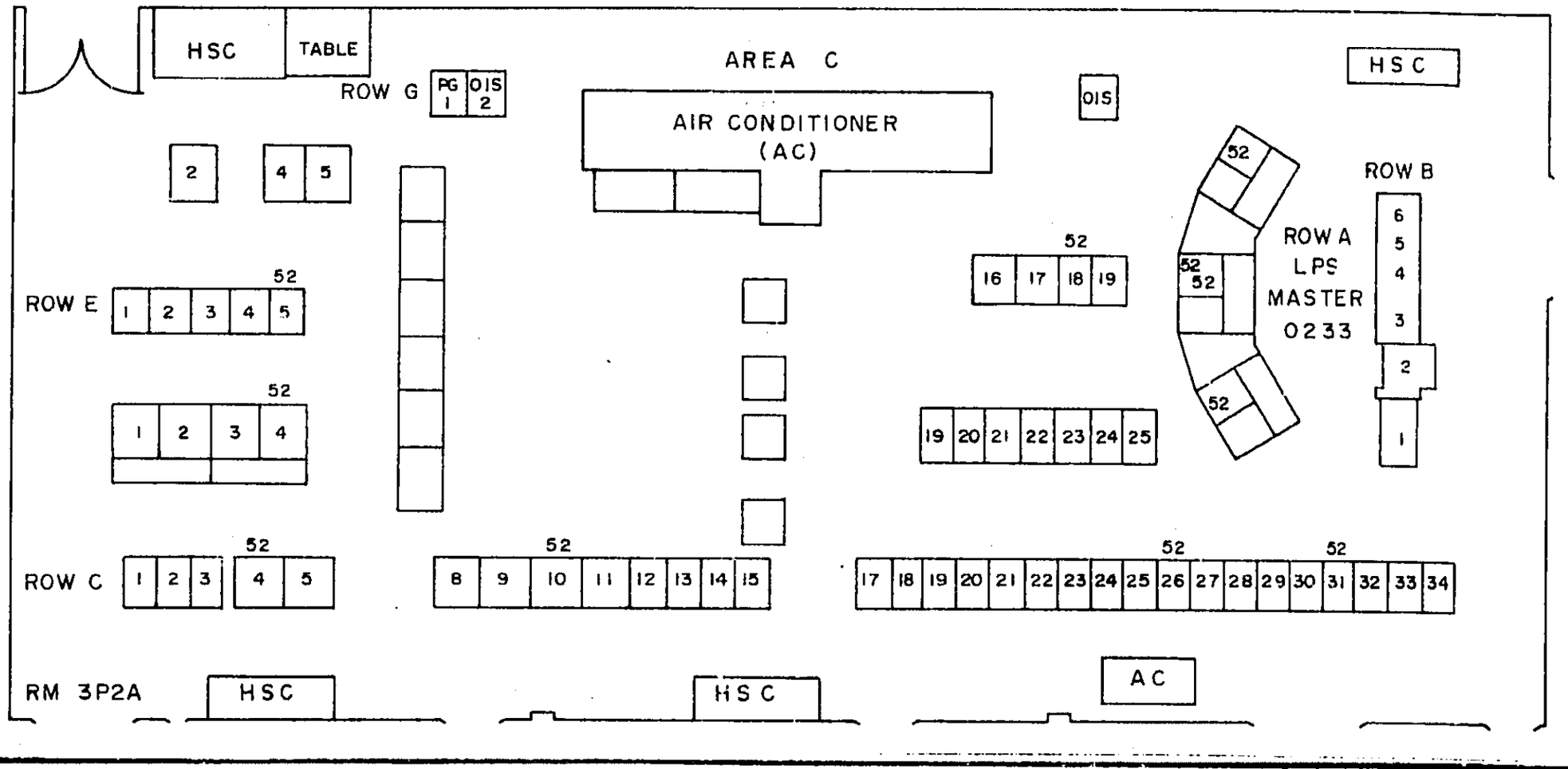


UDS FORM S G/C
JULY 70

1. CLASSIFICATION _____

1. CLASSIFICATION _____

(PAGE TITLE) B-1 OIS			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. B-1-5.7
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION CR-2				



UDS FORM S G/C
JULY 70

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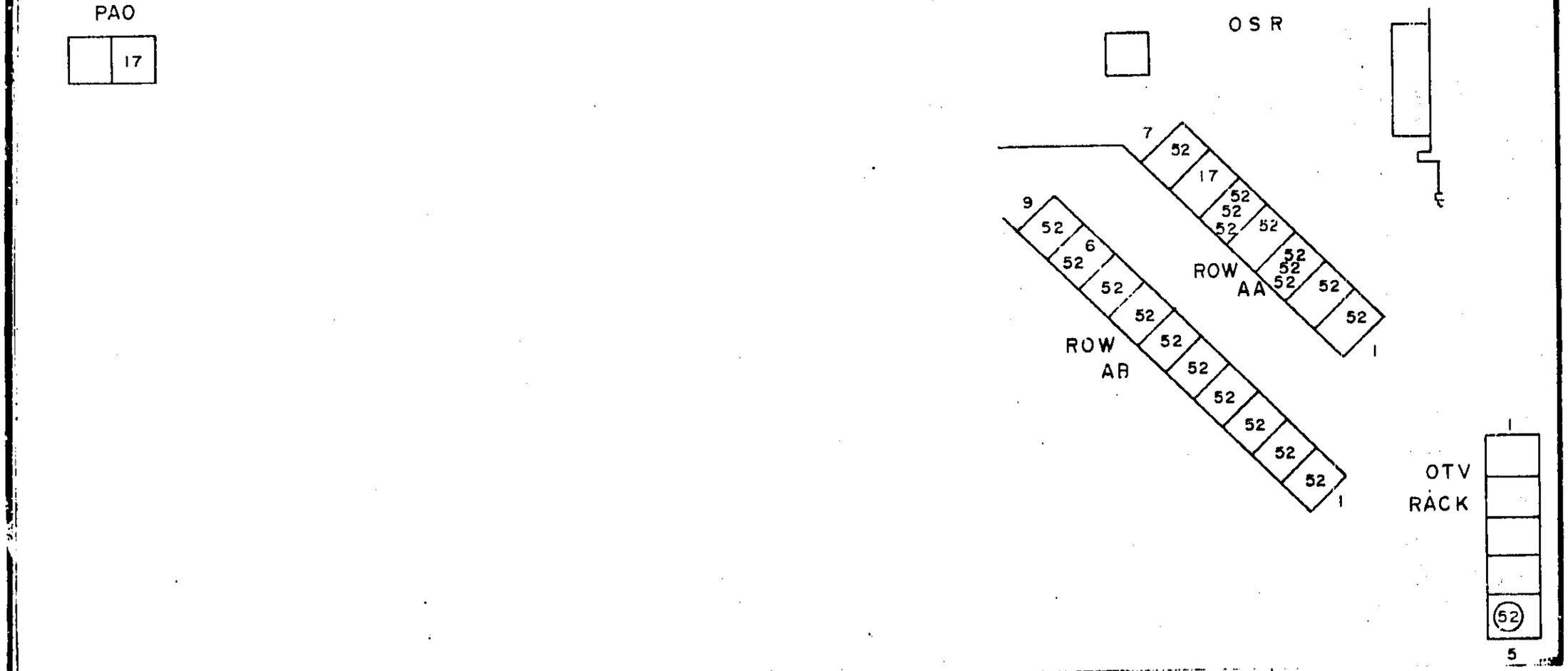
1. CLASSIFICATION _____

1. CLASSIFICATION

(PAGE TITLE) B-1 OIS			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. B-1-5.8
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION CR-4				


PAO
17
OSR
7
52
17
52
52
52

1. CLASSIFICATION _____

(PAGE TITLE) SECTION B - 1 OIS			2. REPLACES PAGE (S) B-1-6 DATED 6/1/81	3. PAGE NO. B-1-6
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION				

11.

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JULY 70

1. CLASSIFICATION _____

REV II
12-1-81

P.C.M. AREA

424	425	426	427	428	429	52 430	431	432	433	434	435	436	437

438	439	440	441	442	443	444	445	446

TAPE RE-CORDER AREA

423
422
421
52 420
419
418
417
416
52 415
414
413
412

CPU'S

479
478
477
476
475
474
473
472
471

52

COMPUTER CONS NO. 486

COMM CONSOLES NO. 489

52 52 52			52 52 52

DISPLAY CONSOLES NO. 467

		52	52

STRIP CHART RECORDER

466	52 465	464	463	462	52 461

FM AREA

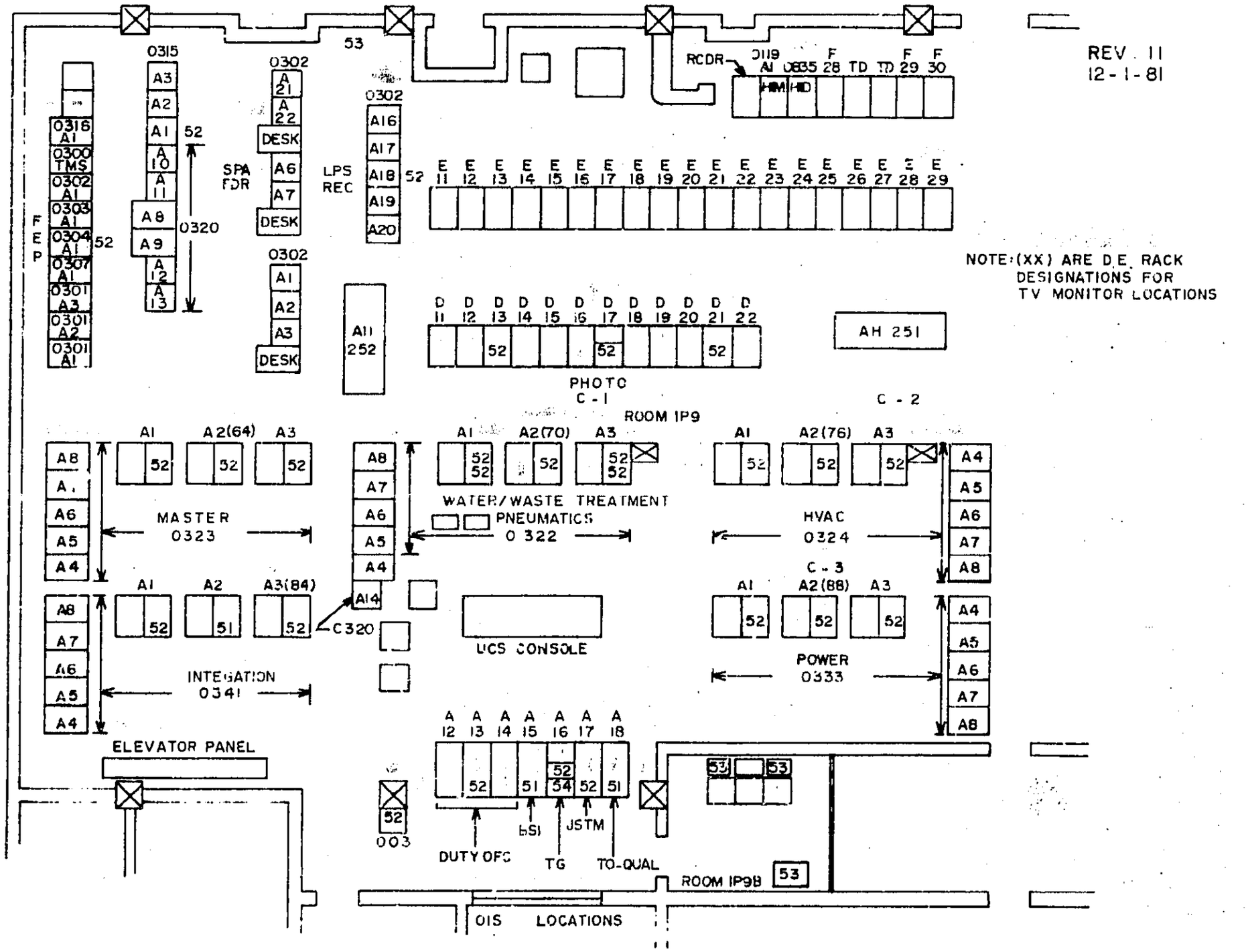
447
448
449
450
451
452
453
454
455
2 EA. 52 456
457
458
459
460

STATION INTERFACE

WB TD	WO TD	411	410	109	3 EA. 52 408	52 407	406	405	404	403	470	468	469

LCC RECORDER PLAYBACK SYSTEM LAYOUT
ROOM 2P17/18

REV. 11
12-1-81



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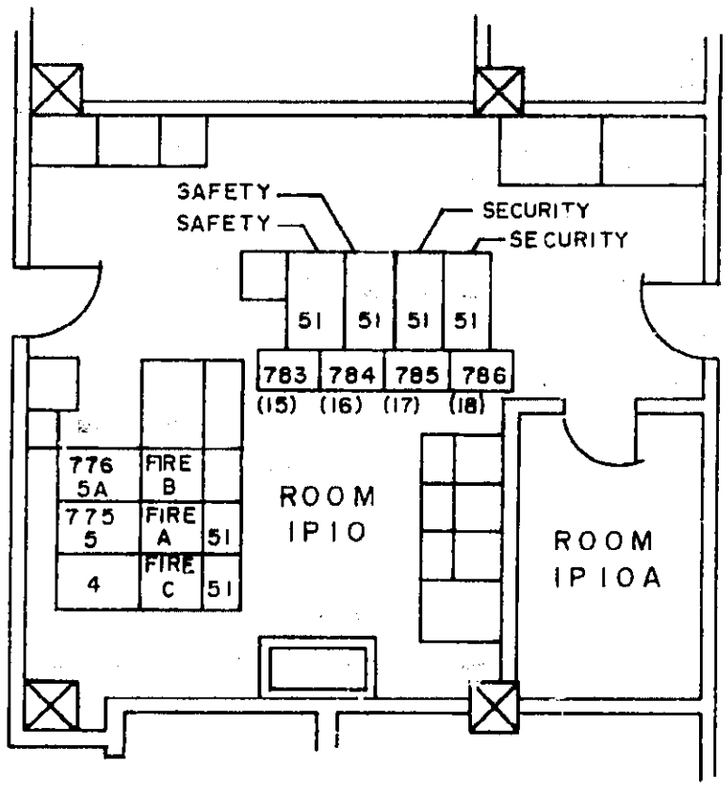
1. CLASSIFICATION

(PAGE TITLE) B-1 OIS			2. REPLACES PAGE (S) B-1-9 DATED 6/1/81	3. PAGE NO. B-1-9
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION LCC ROOM 1P10				



OIS
LOCATIONS
ROOM IP10

UDS FORM 8 C/C
JULY 70

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1. CLASSIFICATION

1. CLASSIFICATION K-SM-10.2.81

(PAGE TITLE) B-1 OIS			2. REPLACES PAGE (S) B-1-10 DATED 6-1-81	3. PAGE NO. B-1-10
				4. DATE 12-1-81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION				
11.				

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UDC FORM 8 C/C
JULY 70

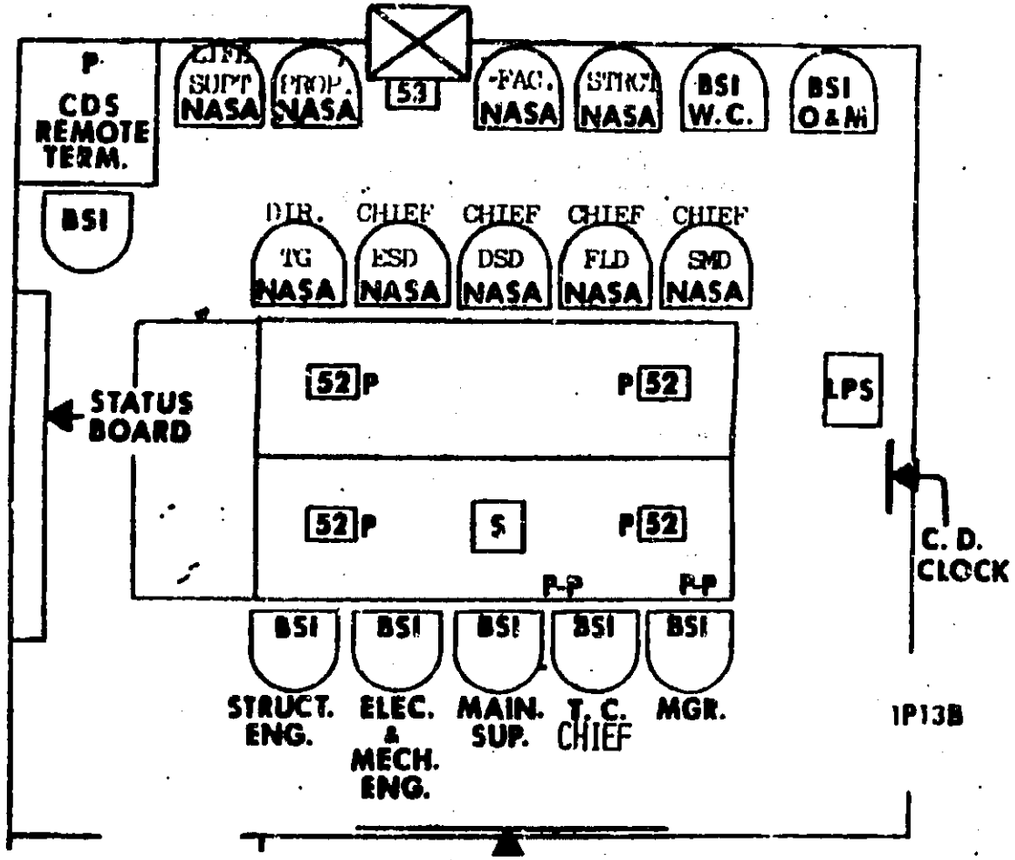
1. CLASSIFICATION _____

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: TG GROUND SYSTEMS SUPPORT CENTER		2. REPLACES PAGE (S) B-1-10.1 DATED 6-25-79	3. PAGE NO. B-1-10.1
			4. DATE 06-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION LCC ROOM 1P13B			

8. ITEM NO.

11.



UDS FORM S G/B
JULY 70

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1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-11 DATED 8-1-80	3. PAGE NO. B-1-11
			4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10 R

8. ITEM NO.	11.	12.	13. LOCATION	14. QUANTITY AND TYPE UNIT 51	52	54	17			
			LCC Control Room 1 Console AA-1 PA PAO Director	1						
			LCC Control Room 1 Console AA-2 TS Director	1						
			LCC Control Room 1 Console AA-3 CD KSC Center Director	1						
			LCC Control Room 1 Console AA-4 VO Launch Director	1						
			LCC Control Room 1 Console AA-5 VO CRYO Director	1						
			LCC Control Room 1 Console AA-6 VO Integration Director	1						
			LCC Control Room 1 Console AB-1 TS Controller	1						R
			LCC Control Room 1 Console AB-2 TS Controller	1						
			LCC Control Room 1 Console AB-3 VO OTC Contractor (Ass't)	1						
			LCC Control Room 1 Console AB-4 VO OTC Contractor	1						
			LCC Control Room 1 Console AB-5 VO Shuttle Test Director	1						
			LCC Control Room 1 Console AB-6 VO STS Test Director		1					R
			LCC Control Room 1 Console AB-7 VO STS Asst Test Director	1						R
			LCC Control Room 1 Console AB-8 VO Landing Recovery Director	1						
			LCC Control Room 1 Console AC-1 SF KSC Safety	1						
			LCC Control Room 1 Console AC-2 SF KSC Security	1						
			LCC Control Room 1 Console AC-3 MD BIO MED							
			LCC Control Room 1 Console AC-4 MD BIO MED	1						
			LCC Control Room 1 Console AC-7 VO SRB Test Conductcr Contractor	1						R
			LCC Control Room 1 Console AC-8 VO ET Test Conductor Contractor	1						R
			LCC Control Room 1 Console AC-5 VO Payloads Test Director		1					R
			LCC Control Room 1 Console AC-6 VO Payloads Test Conductor Cont.		1					R
			LCC Control Room 1 Console A3 OMR Deputy Dir KSC				1			
			LCC Control Room 1 Console A6 OMR NASA Deputy Admin (HQ)				1			
			LCC Control Room 1 Console A9 OMR SAMSO DOD Cmdr				1			
			LCC Control Room 1 Console A11 OMR NASA Chief Engr (HQ)				1			
			LCC Control Room 1 Console A13 OMR Dir Sys Engr & Int (HQ)				1			
			LCC Control Room 1 Console A16 OMR STS DEP Assoc Admin (HQ)				1			
			LCC Control Room 1 Console A18 OMR PAO				1			R
			LCC Control Room 1 Console A19 OMR PAO				1			

1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-12 DATED 6-1-81	3. PAGE NO. B-1-12
			4. DATE 12-1-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52		17			
			LCC Control Room 1	Console A1	OSR STS Projects Manager (KSC)	1						
			LCC Control Room 1	Console A2	OSR Dir. ORB Prog (HQS)				1			
			LCC Control Room 1	Console A3	OSR ORB Proj. Manager (JSC)	1						
			LCC Control Room 1	Console A4	OSR Manager SSP (JSC)				1			
			LCC Control Room 1	Console A5	OSR Assoc Adm STS (HQS)	1						
			LCC Control Room 1	Console A6	OSR OFT Manager (JSC)	1						
			LCC Control Room 1	Console A7	Gen Mgr NASA HQ				1			R
			LCC Control Room 1	Console A8	OSR Dir. Gnd Sys & Flt Test (HQ)				1			R
			LCC Control Room 1	Console A9	OSR Dir. MSFC				1			
			LCC Control Room 1	Console A10	OSR Shuttle Proj. Manager (MSFC)	1						
			LCC Control Room 1	Console A11	OSR SRB Proj Manager (MSFC)				1			
			LCC Control Room 1	Console A12	OSR ET Proj Manager (MSFC)				1			
			LCC Control Room 1	Console A13	OSR SSME Proj Manager (MSFC)				1			
			LCC Control Room 1	Console A14	OSR Dir. Eng Proj (HQS)				1			
			LCC Control Room 1	Console A15	OSR Dir. Design Eng KSC/DE		1					
			LCC Control Room 1	Console A16	OSR R/I KSC Manager		1					
			LCC Control Room 1	Console A17	OSR MMC KSC Manager		1					
			LCC Control Room 1	Console A18	OSR USBI KSC Manager		1					
			LCC Control Room 2	Console BC1	MSFC SRB Staff Engr				1			
			LCC Control Room 2	Console BE22	MSFC Eng Manager				1			
			LCC Control Room 2	Console BC3	MSFC SSME Staff Engr				1			
			LCC Control Room 2	Console BG12	MSFC SSME Staff Engr				1			
			LCC Control Room 2	Console BE8	MSFC Eng Manager				1			
			LCC Control Room 2	Console BC8	MSFC ET Staff Engr				1			
			LCC Control Room 2	Console BC10	JSC OPO Staff Engr				1			
			LCC Control Room 2	Console BC12	JSC SSPO Staff Engr				1			

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JULY 70

1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-13 UATED 6-1-81	3. PAGE NO. B-1-13
			4. DATE 12-1-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11 R

8. ITEM NO.	11.	12.	13. LOCATION	14. QUANTITY AND TYPE UNIT					
					52				
			AREA B CONTROL ROOM 1						
			Console A2 PAYLOADS VE		1				
			Console A4 PAYLOADS VE		1				
			Console A6 PAYLOADS VE		1				
			Console A8 APU VE		1				
			Console A10 APU/HYD VE		1				
			Console A12 APU/HYD VE		1				
			Console C2/3 ET/GOX/LOX VE		1				
			Console C4 LOX VE		1				
			Console C6 SSME VE		1				
			Console C8 MPS VE		1				
			Console C10 LH2 VE		1				
			Console C12 LH2 VE		1				
			Console C14 ECLSS VE		1				
			Console C16 ECLSS VE		1				
			Console C18 ECS VE		1				
			Console C20 MECH/OAA VE		1				
			Console C22 FC/PRSD VE		1				
			Console C24 FC/PRSD VE		1				
			Console E2 HAZ GAS VE		1				
			Console E4 HY FUEL VE		1				
			Console E6 HY FUEL VE		1				
			Console E8 HY OX VE		1				
			Console E10 HY OX VE		1				
			Console E12 RANGE SAFETY VE		2				
			Console E14 NAV AIDS VE		1				
			Console E16 COMM VE		1				
			Console E18 INST VE		1				
			Console E20 EPDC VE		1				
			Console E22 EPDC VE		1				
			Console E24 EPDC VE		1				
			Console G2 GNC VE		1				
			Console G4 GNC VE		1				

1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-14 DATED 6-1-81	3. PAGE NO. B-1-14
			4. DATE 12-1-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11

8. ITEM NO.	11.	12.	13. LOCATION	14. QUANTITY AND TYPE UNIT						
				UTC	52	17	53	54	HSJ	
			CONTROL ROOM 1							
			Console G6 GNC VE		1					R
			Console G8 DPS VE		1					R
			Console G10 DPS VE		1					R
			Console G12 DPS VE		1					R
			Console G14 BACKUP VE		2			1		R
			Console G16 BACKUP VE		2			1		R
			Console G18 LCC VE	1	1					R
			Console G20 INTEG GLS VE	1	1					R
			Console G22 INTEG GLS VE		2			1		R
			Console G24 INTEG GLSON VE		2			1		R
			AREA C ROOM 3P1A							
			Console CA1/CA2 VE/TI		3			1		
			Console CA3/CA4 VE/TI		3			1		
			Console CA6 TI-CSD		1			1		
			Console CA7/CA8 VE/TI		3			1		
			Console CE18 TI-CSD		1					
			Console CC4 TI-CSD		1					
			Console CC12 TI-CSD		1					
			Console CC22 TI-CSD		1					
			Console CC30 TI-CSD		1					
			Console CD4 TI-CSD		1					
			Room 3P11 VO CONF ROOM VO				1			
			Room 3P12 ENGINEERING SUPT. VE/VT		8		4			
			Room 3P15 VIDEO SW & TLCE TI		2					
			Room 3P16 ENGINEERING SUPT. VE/VT		6					
			Room 3P12 SRB ELECT MSFC			1				R
			Room 3P12 JSC							R
			Room 3P13 VO-QAL/Contractor QA		12		3		6	R
			Room 3P14A				1 (MON)			
			Room 3P17 TI				1 (MON)			

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JULY 70

1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S)B-1-15 DATED 6-11-81	3. PAGE NO. B-1-15
			4. DATE 12-1-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11 R

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52				
			LCC Control Room 2	Console AA-1		1					
			LCC Control Room 2	Console AA-2							
			LCC Control Room 2	Console AA-3							
			LCC Control Room 2	Console AA-4		1					
			LCC Control Room 2	Console AA-5		1					
			LCC Control Room 2	Console AA-6		1					
			LCC Control Room 2	Console AB-1			1				
			LCC Control Room 2	Console AB-2		1					
			LCC Control Room 2	Console AB-3		1					
			LCC Control Room 2	Console AB-4	VO ORB Test Director	1					
			LCC Control Room 2	Console AB-5	VO STS Test Director	1					
			LCC Control Room 2	Console AB-6			1				
			LCC Control Room 2	Console AB-7			1				
			LCC Control Room 2	Console AB-8			1				
			LCC Control Room 2	Console AC-1							
			LCC Control Room 2	Console AC-2							
			LCC Control Room 2	Console AC-3							
			LCC Control Room 2	Console AC-4							
			LCC Control Room 2	Console AC-5							
			LCC Control Room 2	Console AC-6							
			LCC Control Room 2	Console AC-7							
			LCC Control Room 2	Console AC-8							
			LCC Control Room 2	OMR	VO QUAL		1				
			LCC Control Room 2	OMR	VO QUAL		1				
			LCC Control Room 2	OMR	VO QUAL		1				
			LCC Control Room 2	OMR	VO QUAL		1				
			LCC Control Room 2	OMR	VO QUAL		1				
			LCC Control Room 2	OMR	VO QUAL		1				

1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S)	3. PAGE NO. B-1-15.1
		DATED ADDED	4. DATE 12-1-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11

8. ITEM NO.	11.	12.	13. LOCATION		14. QUANTITY AND TYPE UNIT					
					51	52	53	17	19	
			AREA B CONTROL ROOM 2							
			CONSOLE A1	OPERATIONS MANAGER	RIC					
			A2	VEHICLE OPERATIONS MANAGER	RIC	1				
			CONSOLE A3	LAUNCH & LANDING OPS DIR	RIC					
			A4	NETWORKS EINGINEERING	DL-NED	1				
			CONSOLE A5	DIRECTOR PROJECT MGMT	DF					
			A6	PROJECT ENGINEERING OFFICE	DF-PEO	1				
			CONSOLE A7	DIGITAL ELECTRONICS DIV CHIEF	DL-DED					
			A8	DIGITAL ELECTRONICS DIR	NASA-DL	1				
			CONSOLE A9	DEPT DIR. PROJECT MGMT	DF					
			A10	CHIEF SYSTEMS INTEG	USBI	1				
			CONSOLE A11	KBAC OPERATIONS	USBI					
			A12	USAF ENG MONITOR	AF	1				
			RACK B1	USAF ENG MONITOR	AF					
			B2	MECH DIV CHIEF	DE					

1. CLASSIFICATION K-SM-10.2.81

SECTION B - i	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) DATED 6-1-81	3. PAGE NO. B-1-16
			4. DATE 12-1-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11 R

8. ITEM NO.	11.	12.	13. LOCATION	14. QUANTITY AND TYPE UNIT 17	52				54
			AREA B CONTROL ROOM 2						
			Console A14 Mech VE		1				
			Console A16 Mech VE		1				
			Console A18 Mech VE		1				
			Console A20 P/L PRSD/FC VE		1				
			Console A22 P/L PRSD/FC VE		1				
			Console A24 P/L PRSD/FC VE		1				
			Console C2 FLUIDS VE		1				
			C2 SSME/MPS VE	1					
			Console C4 FLUIDS VE		1				
			Console C6 FLUIDS VE		1				
			Console C8 FLUIDS VE		1				
			Console C10 FLUIDS VE		1				
			C10 ET/MPS VE	1					
			Console C12 FLUIDS VE		1				
			C12 MPS MGR/MSFC VE	1					
			Console C14 VE		1				
			D7 SRB/MSFC	1					
			Console C16 VE		1				
			Console C18 VE		1				
			Console C20 VE		1				
			Console C22 VE		1				
			Console C24 VE		1				
			Console E2 ESA MGMT VE		1				
			E2 JSC RES MGR	1					
			Console E4 ESA MGMT VE		1				1
			Console E6 EDS MGMT VE		1				1 R

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JULY 70

1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) DATED 6-1-81	3. PAGE NO. B-1-16.1
			4. DATE 12-1-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11 R

8. ITEM NO.	11.	12.	13. LOCATION	14. QUANTITY AND TYPE UNIT 17	52		HSW		54
			AREA B CONTROL ROOM 2						
			Console E8 ESA MAINT VE		1				
			E8 ENG MGR/MSFC	1					
			Console E10 ESA MGMT VE		1				
			Console E12 ESA MGMT VE		1				
			Console E14 JSC/MSFC VE		1				
			E14 SRB STAFF/MSFC VE	1					
			Console E16 JSC/MSFC VE		1				
			E16 SSME STAFF ENGR/MSFC VE	1					
			Console E18 JSC/MSFC VE		1				
			Console E20 JSC/MSFC VE		1				
			E20 ET STAFF/MSFC VE	1					
			Console E22 JSC/MSFC VE		1				
			E22 OPO STAFF ENG/JSC VE	1					
			Console E24 JSC/MSFC VE		1				
			E24 SSPO STAFF ENG/JSC VE	1					
			Console G2 GNC/DPS VE	1	1				
			Console G4 GNC/DPS VE		1				
			Console G6 GNC/DPS VE		1				
			Console G8 GNC/DPS VE		1				1

1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. B-1-16.2
			4. DATE 12-1-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11

8. ITEM NO.	11.	12.	13. LOCATION	14. QUANTITY AND TYPE UNIT 17	52		HSW		54
			AREA B CONTROL ROOM 2						
			RACK B12 MECH VE		1				
			RACK B17 FC [redacted] VE		1				
			RACK D2 FLUIDS VE		1				
			RACK D7 FLUIDS VE		1				
			RACK D10 SRB/APU VE	1					
			RACK D12 FLUIDS VE		1				
			RACK D17 FLUIDS VE		1				
			RACK F2 ESA MGMT VE		1				
			RACK F7 ESA MGMT VE		1				
			RACK F12 JSC/MSFC VE		1				
			RACK F17 JSC/MSFC VE		1				
			RACK H2 GNC/DPS VE		1				
			RACK H7 GNC/DPS VE		1				
			RACK H12 BACKUP VE		1				
			RACK H17 INTEGRATION VE		1		1		

1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-17 DATED 6-1-81	3. PAGE NO. B-1-17
			4. DATE 12-1-81
5. PROGRAM TITLE: FSDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11 R

8. ITEM NO.	11.	12.	13. LOCATION	14. QUANTITY AND TYPE UNIT 17	52	53	HSS	54	
			CONTROL ROOM 2						
			Console G10 GNC/DPS VE		1				R
			Console G12 GNC/DPS VE		1				R
			[redacted] G12 SSME/MFSC [redacted] VE	1					R
			Console G14 INTEG/MSTR/SPARES VE		1			1	R
			Console G16 INTEG/MSTR/SPARES VE		1			1	R
			Console G18 INTEG/MSTR/SPARES VE		2			1	R
			Console G20 INTEG/MSTR/SPARES VE		1				R
			Console G22 INTEG/MSTR/SPARES VE		3		1		R
			Console G24 INTEG/MSTR/SPARES VE		2		1		R
			AREA C ROOM 3P2A						
			Console CA2 TI-CSD		1				
			Console CA4 TI-CSD		2		1		
			Console CA6 TI-CSD		1				
			Console CD4 TI-CSD		1				
			Console CE18 TI-CSD						
			Console CC4 TI-CSD		1				
			Console CC10 TI-CSD		1				
			Console CC26 TI-CSD		1				
			Console CC31 TI-CSD		1				

1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-17	3. PAGE NO. B-1-17.1
		DATED ADDED	4. DATE 12-1-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11

8. ITEM NO.	11.	12.	13. LOCATION	14 QUANTITY AND TYPE UNIT 51	52		17		HSW
			LCC CONTROL ROOM 4						
			LCC CONTROL ROOM 4 OSR CONSOLE AA1 ET-ICE VE		1				
			LCC CONTROL ROOM 4 OSR CONSOLE AA2 ET-ICE VE		1				
			LCC CONTROL ROOM 4 OSR CONSOLE AA3 ET-ICE VE		3				1
			LCC CONTROL ROOM 4 OSR CONSOLE AA4 ET-ICE VE		1				
			LCC CONTROL ROOM 4 OSR CONSOLE AA5 ET-ICE VE		3				1
			LCC CONTROL ROOM 4 OSR CONSOLE AA6 ET-ICE VE				1		
			LCC CONTROL ROOM 4 OSR CONSOLE AA7 ET-ICE VE		1				
			LCC CONTROL ROOM 4 OSR CONSOLE AB1 ET-ICE VE		1				
			LCC CONTROL ROOM 4 OSR CONSOLE AB2 ET-ICE VE		1				
			LCC CONTROL ROOM 4 OSR CONSOLE AB3 ET-ICE VE		1				
			LCC CONTROL ROOM 4 OSR CONSOLE AB4 ET-ICE VE		1				
			LCC CONTROL ROOM 4 OSR CONSOLE AB5 ET-ICE VE		1				
			LCC CONTROL ROOM 4 OSR CONSOLE AB6 ET-ICE VE		1				
			LCC CONTROL ROOM 4 OSR CONSOLE AB7 ET-ICE VE		1				
			LCC CONTROL ROOM 4 OSR CONSOLE AB8 ET-ICE VE		1				
			LCC CONTROL ROOM 4 OSR CONSOLE AB9 ET-ICE VE		1				
			LCC CONTROL ROOM 4 OSR CONSOLE AB10 ET-ICE VE		1				

1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-18 DATED 6-1-81	3. PAGE NO. B-1-18
			4. DATE 12-1-81
5. PROGRAM TITLE: FEDF 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53	54		SPKR MON	
			LCC									
			Room 1P1 Console 3	TI	O&M		1				1	
			Room 1P1 Console 4	TI	O&M	1						R
			Room 1P1 Console 147	TI	LC-39 Comm. Engineer	1						
			Room 1P1 Console 75	TI	O&M		1					
			Room 1P1 Console 77	TI	O&M		2					
			Room 1P1 Console 79	TI	LC-39 Ops./Maint.		2					
			Room 1P1 Rack 133	TI	LC-39 Ops./Maint. ACS		1					
			Room 1P1 Rack 57	TI	LC-39 Ops./Maint.	1						
			Room 1P1 Rack 83	TI	LC-39 Test Unit	1						
			TVCC-1, Rack 113, Room 1P2	TI	TV/WB Op/Maint.		1					
			TVCC-1, O&M, Rack 102, Room 1P2	TI	TV/WB Op/Maint.		1					
			TVCC-1, O&M, Rack 109, Room 1P2	TI	TV/WB Op/Maint.		1					
			Video Rcdrs. Room 1P2, Rack 0871	TI	TV/WB Op/Maint.		1					
			TV O&M Room 1P2	TI	TV Controller	1						
			TV/WB O&M Room 1P2	TI	TV/WB Controller	1						
			Room 1P2 Console 215				1					
			Room 1P2 OTV Racks 202, 205, 209	VE	TV/WB Controller		3					
			Room 1P3	TI	LC-39 Ops./Maint.		3					
			Room 1P4A Column	TG				2				
			Room 1R3/1R4	TO				1			1	
			Room 1P13B	TI			4	1				
			Room 1P9 Cons 003	TG			1					R

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1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-19 DATED 6-1-81	3. PAGE NO. B-1-19
			4. DATE 12-1-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11

8. ITEM NO.	11.	12.	13. LOCATION	14. QUANTITY AND TYPE UNIT 51	52	53	54	90		SPKR MON	
			LCC [redacted]								
			Room 1P9 TG Director (A-16) TG		1		1				
			Room 1P9 TG Management (A-15) TG	1							
			Room 1P9 Support Controller (A-17) TO		1						
			Room 1P9 SO Operations (A-14) TG		1						R
			Room 1P9 Quality (A-18) TG	1							
			Room 1P9 LPS Integration Console TG		2						
			Room 1P9 LPS Integration Console TG	1							
			Room 1P9 LPS Water/Waste Treatment Pneumatics Console TG		5						
			Room 1P9 LPS Master Console TG		3						
			Room 1P9 LPS Power Console TG		3						
			Room 1P9 Photo Console TI		3			2			R
			Room 1P9 SPA/PDR TG		1						
			Room 1P9 FEP TG		1						
			Room 1P9 LPS Recorder TG			1					
			Room 1P9 LPS HVAC Console TG		3						
			Room 1P9A [redacted] TG			3					
			Room 1P10 Fire Control Console A SF	1							
			Room 1P10 Fire Control Console C SF	1							
			Room 1P10 Safety Console 0783 SF	1							
			Room 1P10 Safety Console 0784 SF/TS	1							
			Room 1P10 Security Console 0785 SF/TS	1							
			Room 1P10 Security Console 0786 SF	1							
			Room 1P13B TG		4	1					R
			Room 1P14 TG			1					R
			Room 1P19 TI			1					
			Room 1P23							1	
			Room 1P25 TI			1				1	

1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S)B-1-19.1 DATED 6-1-81	3. PAGE NO. B-1-19.1
			4. DATE 12-1-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT				
							52	53	54	SPKR MON
			LCC							
			Room 2P1 Rack 1	TI			1			
			Room 2P1 Rack 12	TI			1			
			Room 2P1 Console 6	TI			1			
			Room 2P1 Console 14	TI			1			
			2R-Master Ops. Con. Rm 2P10	TI	Computer Ops.		1	1		
			CDS Area FEP, Video Sim. Area Room 2P10	TI	CDS Interface Area (RTUF, VSI)		2			
			Room 2P12							
			Room 2P15	TI	Comm Controller			1		1
			Room 2P16							1
			Room 2P15A	VO				1		
			Room 2R17				1			1
			Room 2P19 Rack 6	TI			1			
			Room 2P19 Rack 26	TI			3		1	
			CDS Area Ops. Console Room 2P19	TI	CDS Master Ops. Console		2			
			Room 2P20, Console C4	TI						
			Room 2P20 Rack 13	TI						
			Room 2P20 Rack 24	TI						
			Room 2P20 Rack 44	TI						
			Room 2P20 Console 54	TI			1			
			Room 2P20 Console 60	TI			1			
			Room 2P20 Console 64	TI			1			
			Room 2P20 Console 65	TI			1			
			Room 2P22 Rack 6	TI	Countdown Maint.		1			
			Room 2P22 Rack 22	TI	Timing Maint.			2		
			Area P Room 2R20	TI	CDS Shared Per. Pool		2			1 R
			Room 2R19	TI						

1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S)B-1-18.1 DATED 8-1-80	3. PAGE NO. B-1-19.2
			4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53	54			
			LCC ROOM 2P17/18 CONS/RACK									
			408	TI	RPS OPS		3					R
			407	TI	RPS OPS		1					
			415	TI	RPS OPS		1					
			420	TI	RPS OPS		1					
			467	TI	RPS OPS		2					
			489	TI	RPS OPS		6					
			430	TI	RPS OPS		1					
			456	TI	RPS OPS		2					
			461	TI	RPS OPS		1					
			465	TI	RPS OPS		1					
			486	TI	RPS Vqice record-ing On TLM Tapes		1					

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1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) DATED 6-1-81	3. PAGE NO. B-1-19.3
			4. DATE 12-1-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT						
						51	52	53	54		SPK MON	
			ROOM 3P1, 3P2 - OIS DIST BOXES CR-1-DB-1, DB2	TI				4				
			CR2 PB1 DB2					1				
			ROOM 3R3					1			1	
			ROOM 3R4A	TO			2					
			ROOM 3R17D	VT				1			1	R
			ROOM 3P19 - UNDER ROOM BETWEEN CR1 & CR2	JSC				1				
			VO REMOTE TERMINALS IN WORK CONTROL CENTER (3R17)	VO	WORK CONT. COORD.		3	3			4	
			ROOM 4R1	TI	FALLBACK AREA		1					
			ROOM 4P2 F/E					1			1	
			ROOM 4P3				1					
			ROOM 4R8				1				1	
			ROOM 4R14 HIM RACK	TI	LPS HIM O&M		1					
			VT TEST OPERS, LCC 4R12	VO	VT TEST OPERS.		1				1	
			ROOM 4P10G	VT				1				R
			ROOM 4P10	VT			1				1	R

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1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) DATED 8-1-80	3. PAGE NO. B-1-20
			4. DATE 12-1-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11

8. ITEM NO.	11.	12.	13. VAB AREA LOCATION			14. QUANTITY AND TYPE UNIT						
						51	52	53	19	53 PORT	17	
			Room 103 - HIM Rack	TI	LPS - HIM O&M				1			R
			Room 1A3 - HIM Rack	TI	LPS - HIM O&M				1			R
			Room 7E7	VE	ET/SRB Test in 6			1				R
			Towers E Room 5E7	TG	VAB Controller			1				
			GCU Room F 3rd or 5th Floor	VE	Grnd. Coll. Unit			1				
			Room 16E1, Rack 2	TI	Comm. Maint.		1					
			Room 6E12	VO	SVAC-SRB ET Vent ORB Lock Cont.			2				
			Transfer Aisle in front of HB #3	VE/LV	ORB Gear Ret. Net, Qual.					2 (Port)		
			Transfer Aisle Tower A	VE	Orbiter Jacking			1				
			Transfer Aisle Tower B	VE	Orbiter Jack & Purge			1				
			Transfer Aisle Tower C	VE	Orbiter Purge			1				
			Transfer Aisle Tower D	VE	Cabin ECS			1				
			Transfer Aisle Tower E	VE	Cabin ECS Orb ECS LG Hyd			1				
			Transfer Aisle Tower F	VE	Orb. ECS LG Hyd. Unit			1				
			Utility Annex Contr. Room	TG	Test Ops.						1	
			LC-39 Substation	TG	Substa. Ops.						1	
			Pneumatic Battery, N. of LCC	TG	CCF Fallback Coord.			1				
			On Catwalk in HB-1 outside of room 3E7	VE/SO/LV	MLP Comm/Disconn. Qual.			1				
			Ground Level S. Wall HB-1	TG	Seq. Ver. & Coord. Pneum			1				
			Ground Level N. Wall HB-1	TG	MLP Connect			1				
			9099 Interface HB-1	TI	Comm/Ops. Maint.			1				
			On Catwalk in HB-3 outside of room 3-F-10	VE/TG/LV	MLP Comm/Dis., Qual.			1				
			Ground Level S. Wall HB-3	TG	Seq. Ver. & Coord.			1				
			Ground Level N. Wall HB-3	TG	MLP Connect			1				
			9099 Interface HB-3	TI	Comm/Ops. Maint.			1				
			Room 2E10	VO				1				
			Transfer Aisle South (TWR B)							4		
			Transfer Aisle North (TWR B)							4		
			Low Bay Rm 2N2					1				
			Transfer Aisle Tower E Wall		1 Each OIS 53 I/F & Pag. I/F Box for TAIR Van use							
			Room 2B9	VE				2				R

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1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-21 DATED 2-7-79	3. PAGE NO. B-1-21
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT					
							52	53			
			VAB High Bay #1								
			Platform D North Main	VE/LV	MPS-ORB AFT/T-O Um G&C-SSME Boattail AFT Umb-Insp/Comm ET Mech. Quality ET Instru. ET Electrical ORB Instrument.			2			
			Platform D North D2	VE/LV	SRB/ET Mech. SRB/ET Instrumen. Mech. Struch. G&C-AFT ORB Avion. Flight Cont. SRB/ET Interface & Gyro as ET Mech. Qual. ORB Inst. ET Elec.			3			
			Platform D North D3	VE	ET Mech. ET Instr. Qual. ET Elec. ORB Instrument.			1			
			Platform D North Roof	VE/LV/TG	SRB Mech. ET Mech Qual. Platform Observer			2			R
			Platform D South Main	VE/LV	MPS-ORB/AFT T-O Um G&C-SSME Boattail AFT Umbilical Inap./Con. ET Mech. Qual. ET Inst. ET Elec. ORB Inst.			2			
			Platform D South D2	VE	SRB/ET Mech. SRB/ET Instrument. Mech. Struct. G&C AFT ORB Avion. Flight Cont. SRB/Interface & Gyro Asb. ORB/ET Um. Con./Insp. ET Mech. Qual. ORB Inst. ET Elec.			3			

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1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-22 DATED 2-7-79	3. PAGE NO. B-1-22
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT						
							52	53				
			VAB High Bay #1									
			Platform D South D3	VE	ET Mech. ET Inst. Qual. ET Elec. ORB Inst.			1				
			Platform D South Roof	VE/LV/TG	SRB Mech. ET Mech. Qual. Platform Observer			1				R
			Platform B North Main	VE	SRB Mech. ET Mech. Qual ET Inst. ET Elec. OTB Inst.			1				
			Platform B North B2	VE/LV	Pyros Star Tracker & Ai Data Probe ET Mech. Spacelab C/O Qual. Et Inst. ET Elec. ORB Inst.			2				
			Platform B North White Room	VE/LS	Hatch Access G&C Carry-on G&C Avionicx Fwd. Ba. Qual.			3				
			Platform B North Roof	VE/LV/TG	Pyros ET Mech. Qual. ET Inst. ET Elec. ORB Inst. Platform Observers			1				R
			Platform B South Main	VE/LV	SRB Mech. Pre-flt Um Insp ET Mech. Qual. ET Inst. ET Elec. ORB Inst.			1				
			Platform B South B2	VE/LV	Pyros G&C Avionics Fwd. Bay Star Tracker & Air Data Probe ET Mech. Qual. ET Inst. ET Mech. ORB Inst.			2				
			Platform B South Roof	VE/TG	Pyros ET Mech. Qual. ET Inst. ORB Trac. Plat. Obs			1				R
			Platform E North Main	VE/LV	ET Um. SRB Inst. Range Saf. ET Inst. Con./Insp. ET Elec. ORB Tracking.			3				
			Platform E North Roof	VE/LV/TG	Verify ORB Clear. Qual. Platform Observer			1				R

1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-23 DATED 2-7-79	3. PAGE NO. B-1-23
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT						
							52	53				
			VAB High Bay #1									
			Platform E South Main	VE/LV	ET Um SRB Inst. Range Saf. Con/Ins. ET Mech. Qual.			2				
			Platform E South Roof	VE/LV/TG	Ver. ORB Clear. Qual Platform Observer			1				R
			Platform C North Main	VE	SRB/ET Mech. ET/Mech.			1				
			Platform C North C2	VE	ET Nose ET Mech. ET Elec.			1				
			Platform C North Roof	VE/VL/TG	Verify ORB Clear. Qual Platform Observer			1				R
			Platform C South Main	VE	SRB/ET Mech. ET Mech.			1				
			Platform C South C2	VE	ET Nose ET Mech.			1				
			Platform C South Roof	VE/LV/TG	Verif. ORB Clear. Qual. Platform Obvserver			1				R

1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-24 DATED 2-7-79	3. PAGE NO. B-1-24
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 52	53	HDST EXT			R
			VAB High Bay #3								
			Platform D North Main	VE/LV	MPS-ORB AFT/T-O Um G&C-SSME Boattail AFT Umb-Insp/Comm ET Mech. Quality ET Instru. ET Electrical ORB Instrument.		2	1			R
			Platform D North D2	VE/LV	SRB/ET Mech. SRB/ET Instrumen. Mech. Struch. G&C-AFT ORB Avion. Flight Cont. -SRB/ET Interface & Gyro As ET Mech. Qual. ORB Inst. ET Elec.		3				
			Platform D North D3	VE	ET Mech. ET Instr. Qual ET Elec. ORB Instrument.		1	2			R
			Platform D North Roof	VE/LV/TG	SRB Mech. ET Mech. Qual. Platform Observer		2	1			R
			Platform D South Main	VE/LV	MPS-ORB/AFT T-O Um G&C-SSME Boattail AFT Umbilical Inap./Con. ET Mech. Qual. ET Inst. ET Elec. ORB Inst.		2	1			R
			Platform D South D2	VE	SRB/ET Mech. SRB/ET Instrument. Mech. Struct. G&C AFT ORB Avion. Flight Cont. - SRB/Interface & Gyro Asb. ORB/ET Um. Con./Insp. ET Mech. Qual. ORB Inst. ET Elec.		3				

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1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S)	3. PAGE NO. B-1-25
		DATED 8-01-80	4. DATE 6-1-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT						
							52	53	HDST EXT	53 PORT		
			VAB High Bay #3									
			Platform D South D3	VE	ET Mech. ET Inst. Qual ET Elec. ORB Inst.			1	2			
			Platform D South Roof	VE/LV/TG	SRB Mech. ET Mech. Qual Platform Observer			2	1			
			Platform B North Main	VE	SRB Mech. ET Mech. Qual. ET Inst. ET Elec. OTB Inst.			2				
			Platform B North B2	VE/LV	Pyros Star Tracker & Ai Data Probe ET Mech. Spacelab C/O Qual. ET Inst. ET Elec. ORB Inst.			3	1			
			Platform B North White Room	VE/LS	Hatch Access G&C Carry-On G&C Avionics Fwd. Ba. Qual.					4		R
			Platform B North Roof	VE/LV/TG	Pyros ET Mech. Qual. ET Inst. ET Elec. ORB Inst. Platform Observers			2	1			
			Platform B South Main	VE/LV	SRB Mech. Pre-flt Um Insp ET Mech. Qual. ET. Inst. ET Elec. ORB Inst.			2				
			Platform B South B2	VE/LV	Pyros G&C Avionics Fwd. Bay Star Tracker & Air Data Probe ET Mech. Qual. ET Inst. ET Mech. ORB Inst.			2	1			
			Platform B South Roof	VE/TG	Pyros ET Mech. Qual. ET Inst. ORB Trac. Plat. Obs			2	1			
			Platform E North Main	VE/LV	ET Um. SRB Inst. Range SAfe. ET Inst. Con./Insp. ET Elec. ORB Tracking			2	1	2		
			Platform E North Roof	VE/LV/TG	Verify ORB Clear. Qual. Platform Obsever			1	1			

1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-26 DATED 8-1-80	3. PAGE NO. B-1-26
			4. DATE 12-1-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT						
							52	53	HDST EXT	53 PORT		
			VAB HIGH BAY #3									
			Platform E South Main	VE/LV	ET Um. SRB Inst. Range Saf. Con/Ins. ET Mech. Qual.			2	1	2		R
			Platform E South Roof	VE/LV/TG	Ver. ORB Clear. Qual. Platform Observer			1	1			
			Platform C North Main	VE	SRB/ET Mech. ET/Mech.			1	1			
			Platform C North C2	VE	ET Nose ET Mech. ET Elec.			1	1			
			Platform C North Roof	VE/VL/TG	Verify ORB Clear. Qual Platform Observer			1	2			
			Platform C South Main	VE	SRB/ET Mech. ET Mech.			1	1			
			Platform C South C2	VE	ET Nose ET Mech.			1	1			
			Platform C South Roof	VE/LV/TG	Verif. ORB Clear. Qual. Platform Observer			1	2			
			VAB HIGH BAY 4	SRB PSF WORKSTAND PLATFORM 1				1				
			VAB HIGH BAY 4	SRB PSF WORKSTAND PLATFORM 5				1				

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1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-27 DATED 6-25-79	3. PAGE NO. B-1-27
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53				
			ET CHECKOUT									
			Tower B-Floor 11B Slab near Penu. Reg. Panel	VE	ET GSE			1				
			Tower B - Room 10B23 near LPS HIM	VE VE	ET GSE		1					R
			Tower B - Room 10B21, Range Safety Lab	VO	Range Safety System Checkout		1					
			Tower B - Room 10B23 North Wall	VT	ET Processing		1					R

1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-28 DATED 2-7-79	3. PAGE NO. B-1-28
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8 R

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53	53 PORT		
			High Bay #2 and #4								
			Platform 22nd Floor (ET Level 9)	VE	ET Mech				1		
				VE	MPS						
				VE	ET Instrument						
					ET Electrical						
				VO	Quality						
			Platform 18th Floor (ET Level 6)	VE	ET Mechanical			3			
				VE	MPS Mechanical						
				VE	ET Instrument						
					ET Electrical						
				VO	Quality						
			Platform 11th Floor (ET Level 2)	VE	ET Mechanical			2			
				VE	MPS Mechanical						
				VE	ET Instrument						
					ET Electrical						
				VO	Quality						
			Platform 13th Floor (ET Level 3)						1		
			Platform 14th Floor (ET Level 4)						1		
			Platform 16th Floor (ET Level 5)						1		
			Platform 19th Floor (ET Level 7)						1		
			Platform 20th Floor (ET Level 8)						1		

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1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-29 DATED 8-1-80	3. PAGE NO. B-1-29
			4. DATE 12-1-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11 R

8. ITEM NO.	11.	12.	13. LOCATION		14. QUANTITY AND TYPE UNIT					
					51	52	53	HDST EXT	19	58
			SRB RSF (VAB Low Bay)	RF-OIS		16	15	11		4

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1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-30 DATED 8-1-80	3. PAGE NO. B-1-30
			4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53	17	58	19	
			LAUNCH PADS A & B									
			PAD SURFACE									
			Pad Surface - ECS Tower	VE	ECS			1				
				VO	Quality							
			Platform - LH2 Tower	VE	LH2 Mechanical			1				
				VO	Quality							
			Platform - LOX Tower	VE	LOX Mech.			1				
				VO	Quality							
			MLP Pneum. Interface Twr. GHe and GN2	TG	Pneu. Connect/ Disconnect			1				
			Platform - Electrical/9099 Interface	VE	Networks			1				
				VO	Quality							
				TG	Maint.							
				TI	Maint.							
				TG	Maint.							
			East Side PCR Rail	TG	PCR Move			1				
				VE	TUG Operations							
					Spacelab							
					IWS							
			IW Lines	TG	IW Ops			1				
				TG	Quality							
			Pad Surface/Near PCR	DOD	P/L Checkout			6				
			Pad A or B (DOD Trailers)									
			Electrical Switch - Station 902	TG							1	
			Safety Trailer West of PTCR	SF				1		1		
			LH_2 Lines on East Slope of Pad	VE				1				R
			LH_2 Lines Adjacent to Burn Pond	VE				1				R

1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-31 DATED 8-1-80	3. PAGE NO. B-1-31
			4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53	17	19	58	
			PAD BASE PTCR 1st FLOOR									
			ECS Room	VE TG TG	ECS HVAC Support Quality				2	2		
			PTCR 1st FLOOR									
			Hudraulic Charging Unit	VE	Hydraulics			1				
				VO	Quality							
			Room 107	TG TG	HVAC Support Quality		1					
			Room 103-RSS Traction Drive	TG	RSS Move			1				
			PTCR 2nd FLOOR									
			Room 205	TI	PA/Area Warning			1				
			Room 202	TG	Support Controller			1				
			Room 202	TG	QC Standby			1				
			Room 204 Rack 017	TI	OIS Operations		1					
			Room 204 Rack C-7	TI	OTV Ops.		1					
			Room 207 N. Wall	TI	Timing Maint.		1					
			Room 208	TI	S/C Monitor		3					
			Room 210	VE	Prop/ECS/Hyper.			3			1	R
				TG	Quality							
				DL	LPS-HIM		6					
			Room 221	VP	Quality			2				
			Room 220	TG				1				

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1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-32 DATED 8-1-80	3. PAGE NO. B-1-32
			4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53	19	64	58	R
			OTHER AREAS									
			ECS Cooling Tower	VE	ECS				1			
				VO	Quality							
				TG	HVAC Support							
				TG	Quality							
			Water Valve Pits (2)	VE	Indust. Water Sys.			2		4		
			1. Perimeter	VO	Quality							
			2. Tank Farm Metering Pit	TG	H2O Test Support							
				TG	Quality							
			Perimeter, Photo Site 1	TI	Photo				1			
			Perimeter, Photo Site 2	TI	Photo				1			
			Perimeter, Photo Site 3	TI	Photo				1			
			Perimeter, Photo Site 4	TI	Photo				1			
			Perimeter, Photo Site 6	TI	Photo				1			
			HVAC Chiller Bldg. J8-1707	TG	Systems Ops			1				
			Main Gate	Sec.	Security Opers.			1				
			Slidewire Bunkers	TG	S/W Test & Erect.				1			
			Operational Support Areas Outside Pad Gate	TS/TG/VO/SF	Pad Operatons			6				
			Burn Pond	VE	Burn Pond Oper.			1		2		
				VO	Quality							
			HPG Storage Battery	TG	Pneumatic Opers.			3				
			Firex H2O Tank Farm	TG	Pad H2O Test Spt.			2				
				TG	One on ea. wall							
			Remote Air Intake	TG	HVAC Ops.				1			
			GH2 Battery Pad A	TG	Pneumatic Opers.			1				
			Compressed Air Facility	TG	Pneumatic Opers.			1		1		
			Sound Suppression Water System, Valve Control Area NE Ground Level					1				
			Tech Support Bldg. (18-1706)	VT	Tech Support			8			5	R
			Pad Control Bldg. Rooms 102, 109-114	TG	Pad Support			9			9	R

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1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-33 DATED 8-1-80	3. PAGE NO. B-1-33
			4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53	19	64	58	R
			W-FLAME TRENCH CELL									
			H2O Valves	TG	Pad H2O Support			1				
			Elevated Water Tank Fill Valve V-24	TG				1		3		
			MSS Park Site Fall Back Area	SF					1			
			Pad A E. Catacomb	Cell E-19	FRF			1				
			PAD A HOUSING FACILITY (BOXCARS)									
			Boxcar Group A					8			5	R
			Boxcar Group B					9			4	R
			Boxcar Group D					4			4	R

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1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-34 DATED 8-1-80	3. PAGE NO. B-1-34
			4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53	64	SPKR MON		R
			PAD APRON									
			Helium GO2 GN2 Area	VE TG	Helium Serv. He. Service (GN2/GO2) Dewar Service LH2 Deware Service			4				
			RSS Pivot Point	VE TG	TUG Mech. RSS Move Spacelab			1				
			Pad A Apron (West Side) and Support Bldg (Out Side near the Conference Room) 1 each OIS Type 53 Unit interface box at each location. The interface boxes are to provide Comm. to a 53 Unit installed in the TAIR Van.									R
			FSS									
			48' Level Top of Pad					4				
			Mobile TAIR Van					1		1		R

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1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-35 DATED 8-1-80	3. PAGE NO. B-1-35
			4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT						
						51	52	53		63	64	
			FSS									
			75' Level	VE	Pneumatics LH2 Mech/Vent Conn.			4		1		R
				VO	Quality							
				TG	Gen. Support							
				TG	Console S/A, GO2 GH2 Serv.							
			95' Level Near Hinge Mech	VE	Pneumatics			1		1		
				VE	Hypergols			1				
				VO	Quality							
				TG	LO2 Dewar Support							
				TG	Quality							
			115' Level	VE	Pneumatics FCP Reactant Gas			2		1		
				VO	Quality							
				TG	General Support							
				TI	Photo							
				TG	Quality							
			135' Level	VE	Pneumatics LH2 Mech/LH2 Conn.			2		1	1	
				VO	Quality							
				TG	General Support							
				TI	Photo							
				TG	Quality							
			155' Level	VE	Cryo Service Pneumtics			4		1		
				VO	Quality							
				TG	LH2 Dewar Support & GH2 & GO2							
				TI	Photo							
				TG	Quality							

1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-36 DATED 1-11-80	3. PAGE NO. B-1-36
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8 R

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT					
						51	52	53	64	63	
			175' Level	VE	Pneumatics			3	1	1	
					LH2 Mech/LH2 Conn.						
				VO	Quality						
				TG	Gen & Pneu. Sprt.						
				TI	Photo						
				TG	Quality						
				VP	IUS OPS						
			195' Level	VE	Pneumatics			2		1	
					GSE						
					Hydraulics						
				VO	Quality						
				TG	Egress Arm Sprt.						
				TI	Egress Arm Sprt.						
				TG	Quality						

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1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-37 DATED 8-1-80	3. PAGE NO. B-1-37
			4. DATE 12-1-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53	PORT	63	
			CREW INGRESS/EGRESS ARM								
			Outside White Room	VE	Mech. Struct.			1			
			White Room	VT	Crew Ing/Egress			2			
				VE	GN&C Fwd. Avionics Bay				3		R
			215' Level	VE	Pneumatics Hydraulics LH/Mech/LH2 Conn.			2		1	
				VO	Quality						
				TG	Vent Arm Support						
				TI	Photo						
			ET GH2 Vent/Intertank Arm	VE	ET Instrument.			1			
			At Arm Entrance	VE	LH2 Mech/LH2 Conn.						
			At Tip of Arm	VE	ET Intertank Acc.			1			
				VE	MPS Mech.						
				VE	Quality						
					ET Electrical						
			235' Level East Site	VE	Pneumatics			1		1	
					Quality						
				TG	Gen. Support						
				TI	Photo						
				TG	Quality						
			255' Level East Side	VE	Pneumatics			1		1	
				VO	Quality						
				TG	Gen. Support						
				TI	Photo						
				TG	Quality						
			255' Level North Side	VE	ET			1			
			203' Level								
			Entrance to ET Arm					1			
			End of ET Arm					1			

1. CLASSIFICATION K-SM-10.2.81

SECTION 3 - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-38 DATED 1-11-80	3. PAGE NO. B-1-38
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53				
			275' Level East Side	VE	Pneumatics Hypergols			2				
				VO	Quality Gen. Support							
				TI	Photo							
				TG	Quality							
				VP	IUS Ops.							
			295' Level East Side	VE	Hypergolics			1				R
				TG	Crane Ops							
				TI	Photo							
				TG	Quality							
			Elevator Machine Room (280' Level)	TG	Elev. Ops.			1				
			195' Level at Slide Wire Baskets	TG	Slide Wire Testing			1				
			197'6" Level at Top Bearing Servi[illegible] Platform	TG	RSS Move			1				

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1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-39 DATED 8-01-80	3. PAGE NO. B-1-39
			4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53	64		
			RSS								
			107' Level	VE	Hypergol-Fuel Oxid			6			
			117' Level	DL	LPS HIM C/O			2			
			120' Level	VE	Hypergols			1			
				VE	GN&C Avionics AFT ORB Access Docr Flt. Control SRB/ET Attach Ring/Gyro Asse.						
				VO	Quality						
			120' Level West	VE	Hypergols			2			
				VE	GN&C Avionics AFT ORB Access Door Flt. Control SPB/ET Atach Ring-Gyro Asse.						
				VO	Quality						
			130' Level	VP	IUS Mech/Propul.			5	2		
				VP	IUS Ops.						
				VE	TUG Mech.						
			Hoist Deck Platform (DOD)	DOD				1			
			207' Level					8			
			RSS 125' Level		Access Platform to Orbiter 50-1 Door.			1			R

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1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-40 DATED 1-11-80	3. PAGE NO. B-1-40
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8 R

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53	64		
			RSS								
			237' Level Room	TG	Hoist Control			4			
				VE	Mech/Struc & Pyros						
				VE	Comm & Track C/O						
				VE	Fwd. RCS. Hypergol						
				TI	RF C/O						
				TG	PFM Observer						
				VP	IUS Ops.						
			RSS Truck #1	TG	RSS Move			1			
			RSS Operator	TG	RSS Move			1	2		
			RSS Truck #2	TG	RSS Move			1	1		
			130' Level At	TG	RSS Move			1			
			Drive Cabinets								
			OMBUU								
			3rd Level (Top)	VE	ECLSS Panel 44 FC/PSRD: FC-40 Coolant Ops. Flt. Cryo Tank Evacuation			1			
			2nd Level (Middle)	VE	ECLSS Breathing O2/N2 FC/PSRD: 570-0505MB Umbilical CRYO Disconnect & Flex Lines			1			
			1st Level	VE	FC/SRD: LOX/LH2 Accumulators & High Valve Complex			1			

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1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-41 DATED 1-11-80	3. PAGE NO. B-1-41
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53	64			
			FIXED PLATFORMS (PGHM)									
			Level 1 140'5"	DOD	IUS Installation			3	2			R
				VP	IUS Installation							
				TG	Platform Observer							
			Level 2 149'5"	DOD	IUS Installation			3	2			R
				VP	IUS Installation							
				TG	Platform Observer							
			Level 3 158'5"	DOD	IUS Installation			3	2			R
				VP	IUS Installation							
				TG	Platform Observer							
			Level 4 170'	DOD	IUS Installation			3	2			R
				VP	IUS Installation							
				TG	Platform Observer							
			Level 5 182'1"	DOD	IUS Installation			3	2			R
				VP	IUS Installation							
				TG	Platform Observer							
			MID BODY CATWALK									
			West Side	VE	FCP/Cryo Serv.			2				
				VE	Access Panel 45, Breathing O2/N2 & Portable Water							
				VE	ORB Instrument. UMB Mating							
			ANTENNA CATWALK	VE	Antenna Alignment			1				

1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-42 DATED 2-7-79	3. PAGE NO. B-1-42
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53				
			LOX STORAGE AREA									
			LOX Support Building	VE	LOX Mech.			1				
				VO	Quality							
			LOX Electrical Support Bldg.	VE	LOX Mech.			1				
				VO	Quality							
			Outside Electrical Support	VE	LOX Mech.			1				
				VO	Quality							
				TG	H2O Support							R
			Start of Cross-Country Lines	VE	LOX Mech.			1				
				VO	Quality							
			Adjacent to Replenish Pumps	VE	LOX Mech.			1				
				VO	Quality							
				TG	GN2 Purge							R
			Adjacent to Main Pumps	VE	LOX Mech.			1				
				VO	Quality							
			Adjacent to Fill Manifold	VE	LOX Mech.			1				
				VO	Quality							
				TG	Off Loading							R

1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-43 DATED 2-7-79	3. PAGE NO. B-1-43
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53				
			LH2 STORAGE AREA									
			Inside Support Building	VE	LH2 Mech.			1				
				VO	Quality							
			Between Vaporizer	VE	LH2 Mech.			1				
			Purge Panel & Tank Fill	VO	Quality							
			Valve	TG	GH2 Purge							R
			North Side Emergency	VE	LH2 Mech.			1				
			Vaporizer Purge Panel	VO	Quality							
			West Side Adjacent to Prop.	VE	LH2 Mech.			1				
			Controls	VO	Quality							
				TG	H2O Support							R
			West Side Adjacent to Transfer	VE	LH2 Mech.			1				
			Line Valve Complex	VO	Quality							
				TG	H2O Support							R
			LH2/RP-1 Elec. Spt. Bldg.	VE	LH2 Mech/Elec TRS			1				R

1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-44 DATED 1-11-80	3. PAGE NO. B-1-44
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53	19	64		
			HYPERGOLIC AREAS									
			Fuel Shelter 1 ea. end	VE	Hypergol Fuel			4		1		
			Oxid Shelter 1 ea. end	VE	Hypergol-Oxid			4		1		
			Fuel Elect. Bldg.	DL	LPS HIM			1				R
			Oxid Elect. Bldg.	TG	SVC & Transfer			1				R
			Scape Trailer Area Pad A or B	DL TG	LPS-HIM Life Support 9 Trailers			9				R
			West End of Tunnel on Pad Slope	VE	Hypergol Cross-Over Valve Cx.			1				R

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1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-45 DATED 8-1-80	3. PAGE NO. B-1-45
			4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT						
						SPKR MON	52	53	17	19	64	
			MOBILE LAUNCH PLATFORM (LEVEL A)									
			Room 1A	VE	Vehicle Pwr. Sys. Networks Spacelab Pwr. Sys.			2				
			Room 2A	TG	Controller Trans.			1				
				TG	Quality							
			Room 7A	VE	Range Safety GSE		5					
				DL	LPS OLSA							
			Room 15A					1				R
			Room 16A	TG	Power System			1	1	1		
			Room 34A	VE	Pneumatics			1				
				VO	Quality							
			Room 43A	VE	Pneumatics, HYD			2				
				VO	Quality, MPS							
			Room 10A	VE	Pneu. & Prop. Racks 2 & 6		1					
				DL	LPS HIM		1					
			Room 31A	VE	SRB Hyd			1				
			Room 41A	VE	SRB Hyd			1				
			Room 20A	VE					1			
			LEVEL B									
			Room 1B	VE	Pneumatics			1				
				VO	Quality							
			Room 9B (Racks 6503 & 6517)	TI	Systems Opers.		2					
			(Racks 6491 & 6525-A2)	TI	Comm. Center	1	1		1	1	1	R
			Room 34B	VE	LH2 Mech.			1				
				VO	Quality							
			Room 43B	VO	Hydraulics			1				
				VO	Quality							
			Room 44B	VE	LOX Mech.			1				
				VO	Quality							
			Room 33B	VE	FSD			1				
			Room 37B								1	

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1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-46 DATED 1-11-80	3. PAGE NO. B-1-46
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT						
						51	52	53	19	64	53 PORT	R
			Room 33A Level A	VE	GO2 DOD Activation Panel S70-0823-2			1				
			Room 9A	VE	Pyrctechnic Initiate Control		1					
			Room 21A	VE	DC Power System			1				
			Room 2B on Wall Common to 32AB	VE	S72-0841 SRB Hydr. High Pressure			1				
			Room 16B on Wall Common to 42AB	VE	S72-0849 Hydr. Waste on Collect Unit.			1		1		R
			Room 44A	VE	MPS He. Bottle Fill Panel GN2 Heater Panel LOX ET Pre-Press Panel LH2 Pre-Press Panel			2	1			
			VALVE COMPLEX									
			Side 1 - LH2	VE	LH2 Mech.			2				
				VO	Quality							
			Side 1 - LOX	VE	LOX Mech.			2				
				VO	Quality							
			MPS PLATFORM	VO	TVC SSME						2	R
				VE	Instrument. SSME							
				VE	MPS Mechanical Firing Accessories Flight Control							
				VO	Quality							R
			LEVEL O									
			Side 2 - Corner 1/2	TG	Transfer Opers.				2 - Port		1	R
				VE	LOX Mech.							

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1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-47 DATED 6-25-79	3. PAGE NO. B-1-47
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8 R

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53	19	53 PORT
			Side 4 - Corner 1/4	TG	Transfer Opers.				2 - Port	1
				VE	LH2 Mech.					
			SRB AREA							
			SRB Support - Rt.	VE	Firing Access.					1
				VO	Quality					
			SRB Work Platform - Rt.	VE	Firing Access.					1
				VE	TVD Service					
				VE	Flight Control Instrument. - SRB					
				VO	Quality					
			SRB Support - Lt.	VE	Firing Access.					1
				VO	Quality					
			SRB Work Platform - Lt.	VE	Firing Access.					1
				VE	TVC Service					
				VE	Flight Control Instrument - SRB					
				VO	Quality					
			SRB Between Holes	VE	SRB/ET/ORB					2
			Companionway to A Level	VE	Late Entry			1		
			LH2 TSM AREA							
			TSM LH2 Bottom	VE	Firing Access.					2
				VE	LH2 Mech.					
				VE	Instrument - SSME					
				VO	Quality					
			Work Stand - LH2 Umb.	VE	Firing Access.					2
				VE	FCP Reactant TVS-SSME NH3 Service					
				VO	Quality					

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PAGE TITLE: SECTION B - 1 OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-48 DATED 2-7-79	3. PAGE NO. B-1-48
		4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81 9. TEST CODE	6. PROGRAM	7. REV. NO. 8

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53	53 PORT			R
			TSM LOX Bottom	VE	Firing Access				2			R
				VE	ECS LOX Mech							
				VE	Instrument SSME							
				VO	Quality							R
				TG	Power Coord							R
				TG	Quality							R
			Engine Work Stand LOX Umb	VE	Firing Access				2			R
				VE	FCP Reactant							
				VE	TVC SSME Networks LOX Mech							
				VO	Quality							
			Room 37A MLP	VE	Engine Service Platform Winch				1			

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SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-49 DATED 2-7-79	3. PAGE NO. B-1-49
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8

8. ITEM NO.	11.	12.	13. LOCATION	14. QUANTITY AND TYPE UNIT 51	52	53	19		
			CCF AREA						
			CCF Pneu Control Station Rm 402 TG Coord Pneu Op		2				
			CCF Blast Room 404 TG Coord Pneu Op			1			
			CCF GHe Control Room TG Coord Pneu Op			2			
			CCF LN2 Sphere TG Coord Pneu Op			2			
			CCF Indust Gas I/F Control Sta TG Coord Pneu Op			1			
			Bldg. K7-569A TG Coordination (Across From CCF)				1		

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SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-50 DATED 2-7-79	3. PAGE NO. B-1-50
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53	17	19	
			LETF TEST CONTROL ROOM								
			OIS Battery Cage	TI	Comm O&M					1	
			Rack 1	TI	Comm O&M				1		
			Rack 4	VE	Hydraulic C/O				1		
			Rack 9	TG/TI	Sim Opn				1		
			Rack 11	TG/TI	Cryo & Water Unit				1		
			Rack 17	TI	Timing & Photo				1		
			Console 18	TG	Test Control				1		
			Console 20	TG	Test Cont/Safety				1		
			Console 27	TI	Measurements				1		
			Rack 41	TI	Chart Recorders				1		
			Rack 51	TI	Signal Cond				1		
			West Wall Room 225						3		
			Rack 16	TG					1		R
			Rack 30	TG					1		R
			LETF OAA								R
			W of Hose Carrier	TG	LETF Opns					1	
			E of Hose Carrier	TG	LETF Opns					1	
			SRB Test Fixture, E Side	TG	LETF Opns					1	
			LETF E&O Support		Eng Support				1		
			LETF TOWER SIMULATOR								
			Pump Room, S Wall (Inside)	TG	Hyd Opns					1	
			Pump Room, N Wall (Inside)	TG	Hyd Opns					1	
			Ground Level, SW Corner	TI	Pneumatics					1	
			20' Level, S Side	VE	Pneumatics					1	
			20' Level, W Side	VE						1	
			60' Level, W Side	TI						1	
			S Side of Structure	TI						1	
			S Side of Structure	TI							

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B - 1 OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-50	3. PAGE NO. B-1-50.1
	DATED ADDED	4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81 / 9. TEST CODE	6. PROGRAM	7. REV. NO. 8

8. ITEM NO.	11.	12.	13. LOCATION	14. QUANTITY AND TYPE UNIT 51	52	53	17	19	
			LETF TOWER SIMULUATOR (Cont'd)						
			LO2 Area TI					1	
			LH2 Area TI					1	
			Random Motion Sim NW Side TI					1	
			Random Motion Sim SE Side TI					1	

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B - 1 OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-51 DATED 8-1-80	3. PAGE NO. B-1-51
		4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	6. PROGRAM	7. REV. NO. 10
9. TEST CODE		

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT						
						51	52	53	17	19	UTC	06
			LANDING SITE									
			Lighting Vault	TG	Airfield Lighting					1		
				TG	Quaility							
			Airfield Lighting Console	TG	Lighting Ops				1			
			Landing Ops Area Rm 5	TS	Gnd Ops Coord						1	1
			Center Hardstand	SF	Fire/Rescue					1		
			OLF TV Control Rm, LACB Rm 3	TI	TV/WB Oper/Maint				1			
			Voice Comm Control Rm LACB	TI	Voice Sys Oper q Maint				1			
			Timing & CD Clock RM 12	TI	Timing, CD & LPS				1			
			Landing Aids, MSBLS Console (Landing Area Control Bldg)	Ti	O&M of Microwave Scan for Beam Landing System				1			
			Landing Aids, AZ Bldg No. 1	TI	O&M of Microwave Scan for Beam Landing System					1		
			Landing Aids, AZ Bldg No. 2	TI	O&M of Microwave Scan for Beam Landing System					1		
			Landing Aids, EL Bldg No. 1	TI	O&M of Microwave Scan for Beam Landing System					1		
			Landing Aids, EL Bldg No. 2	TI	O&M of Microwave Scan for Beam Landing System					1		
			SLF Midfield Park Site (Site Trailers)						7			R
			OTV Camer Towers (2)	TI	OTV				2			
			Meterorological Room LACB Rm 5	TI	System Operations				1			
			Mate/Demate Facility	VE	Mate/Demate					18		
			Mate/Demate Tmporary Trailer	VE						2		
			Mate/Demate Facility	TS	VOP						1	1

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-52 DATED 8-1-80	3. PAGE NO. B-1-52
			4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53	17		SPKR MON	
			OPF BAYS 1 & 2									
			Platform 1 each side	VE	FRCS			3				R
			Platform 1A	VE	Portable H2O Service			1				
			Floor Level Nose Wheel	VE	Nose Wheel			1				
			Floor Level Below Platform 1A	VE	Coolant H2O Serv			1				
			Platform 4 Mounted Inside	VO	Cabin Hatch			1				
			White Room	TG								
			P/F 2, East Side	VE	Star Tracker			1				
			Connected via White Room	VE	Avionics, Carry-On			3				
			Platform 4, Clear of Open	VE	Midbody Access			2				
			Payload Doors	TG	Panel #44							
			Platform 4, East Side	VE	FC/PSRD			1				
			Platform 6, Two per Side	VE	Payload Bay			4				
			Platform 11, One per Side	VE	APS, APU, AFT Umb			2				
			Platform 10, 1 Each Side	VE	APS Signal Panels			2				
			Platform 16, 1 Each Side	VE	Rudder			2				
			Platform 19, 1 Each Side	VE	APS Valve Complex			2				
			Platform 18, 1 Each Side	VE	Rudder Vert Stab			2				
			Hyd Equip Room	VE	Hyd Ops			1				
			Floor Level	VE	Main Gear			2				
			Floor Level	VE	Aft Elevons			2				
			2 Connectors per Side Wall	VO	Roll-Around Units			4				
			Platform 12	VE	AFT Fuseleage, A			3				
			Mezzanine Area	VE				2				R
			Platform 15	VE	Pod Trolley			1				
			HB-1 - Floor Entrance to Low Bay	RI	Security Monitor			1				
			Platform 3	VE				1				R
			COMMON SUPPORT AREAS									
			Comm & Tracking Checkout Lab (RM 107)	VE	Equipment racks		6	1			1	
			Service Area, NE Corner, Bay 1	VE	Grnd Cooling			1				
				TG	Unit							

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-53 DATED 8-1-80	3. PAGE NO. B-1-53
			4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53		SPKR MON	
			OPF								
			Service Area, Elec Room 125	VE	Equipment Racks			2			
			South of OPF	VE	GO2 & GH2 Tube			2			
				TG	Banks						
			TBD		Tech. Supp.			1			
			TBD		Operational Supp			1			
			Between Bays #1 & #2 (RM 120)	TG				2			
			Roof Area	TI	Antenna Operation			1			
			Comm Equipment Room (205)	TI	Voice Comm O&C		1				
			Outside OPF	VE	Scrubber, Each Tanker Pad			5			
			Pump Station Control Room	TG	Firex Pump Oper			1			
			Top APT Work Stand Bridge Z0-808	VE	Alignmnet & Testing of GSE Tracking Antenna			1			
			Outside Service Area, NE Corner	VE	Portable Purge Unit						
			Pneumatic Panel South End of Building	TG				1			
			Orbiter Hatch	RI	ORB Cabin OPS			4 Port			
			RM 210-A OPF Annex	SF	KSC Saftey Office			1		1	
			Engine Compartment					4 Port			
			Midbody					2 Port			
			OPF (Eastside) 1 Each OIS Type 53 Unit Interface Box to be used with TAIR Van.								R
			OPF Annex (Fallback Area)					9			R

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B - 1 OIS END INSTRUMENTS INSTRUMENT LOCATIONS		2. REPLACES PAGE (S)B-1-53.1 DATED 1-11-80	3. PAGE NO. B-1-53.1
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8 R

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53		58	SPKR MON
			OPF								
			Vicintiy of FRCS	VT				1 Port			
			Pneumatic Panel								
			HB-1 West of Tug	VT				1			
			Door - ORB MGR Desk		ORB OPS			1			1
			Room 207								
			Column L-5B	TO				1			
			Room 201								
			HB-1 Southhall	VO				2			
			* SCAPE Suit-Up Trlrs	VT				2			
			Hydraulic Control Panel	VT				1			

* OIS Units are installed and remain in Trlrs. Plug in's only are installed at the OPF.

PAGE TITLE: SECTION B - 1 OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S)	3. PAGE NO. B-1-54
	DATED	4. DATE 1-11-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE / 6. PROGRAM	7. REV. NO. 7

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53	17	19	
			HYPERGOLIC MAINTENANCE FACILITY M7-1061								
			Rm 111 Mgmt Console	VO	Site Manager				1		
			Rm 111 Mgmt Console	VO	RIC Test P.E.				1		
			Rm 111 LPS Main Console	VO	RIC Test Engrs				4		
			Rm 111 Mgmt Console	SF	Safety				1		
			Rm 107	TS	LPS CCMS Support					1	
			Rm 103	VO	RIC QC					4	
			Rm 106 East Wall	VO	RIC Tech Super					1	
			Rm 114	TS	Comm Support					1	
			Rm 112	TS	Test Support					1	
			Rm 120	TI	LPS Testing					1	
			Rm 111 LPS Consoles	VT	Multi-Cell Testing				2		
			Rm 101							3	
			Rm 102							2	

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PAGE TITLE: SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-55 DATED 2-7-79	3. PAGE NO. B-1-55
			4. DATE
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53	17	19		
			M7-961									
			East APS, 0' Level	VO	Test Operations					2		
			East APS, 12' & 19' 6" Levels	VO	Test Operations					2		
			East APS, 27' Level	VO	Test Operations					1		
			West APS, 0' Level	VO	Test Operations					2		
			West APS, 12' & 19' 6" Levels	VO	Test Operations					2		
			West APS, 27' Level	VO	Test Operations					1		
			Rm 201 & 202, Rack No. TBD	VO	Test Operations					4		R
			Rm 106, Near Gas Req Panel	VO	Test Operations					1		
			Rm 108, Near DC Power Racks	VO	Test Operations					1		
			Rm 116A, Near 400 Hz MG Set	VO	Test Operations					1		
			Fuel Pad	VO	Test Operations					2		
			Oxid Pad	VO	Test Operations					2		
			Gas Pad	TS	Test Operations					1		
			0 Level West Cell	VO						1		
			0 Level East Cell	VO						1		
			West Cell 12'/19' Level South	VO						1		R
			West Cell 12'/19' Level North	VO						1		R
			East Cell 12'/19' Level South	VO						1		R
			East Cell 12'/19' Level North	VO						1		R
			West Cell 27' Level North									
			East Cell 27' Level North	VO						1		
			West Cell 35' Level East	VO						1		
			East Cell 35' Level West	VO						1		

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) DATED	3. PAGE NO. B-1-56
			4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53	17	19	
			M7-1212								
			West, FRCS, 0' & 10' Levels	VO	Test Operations					2	
			*East, PBK, 0' & 10' Levels	VO	Test Operations					2	
			*These units are required for Phase 2 only								
			Rm 201, Rack No. TBD	VO	Test Operations				2		
			Rm 102, Near DC Power Racks	VO	Test Operations					1	
			Rm 105, Near 400-Hz MG Set	VO	Test Operations					1	
			Fuel Pad	VO	Test Operations					2	
			Oxid Pad	VO	Test Operations					2	
			Gas Pad	TS/VO	Test Operations					1	
			West Cell, 10' Level NW Corner	VO						1	
			West Cell, North Side Ground	VO						1	
			West Cell, 10' Level East Wall	VO						1	
				VO						1	

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1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OTS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-57 DATED 2-7-79	3. PAGE NO. B-1-57
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8

8. ITEM NO.	11.	12.	13. LOCATION	14. QUANTITY AND TYPE UNIT 51	52	53	17	19	
			DELETED						R

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B - 1 OTS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-58 DATED 8-1-80	3. PAGE NO. B-1-58
		4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81 9. TEST CODE	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53	17	19	57	PORTBL	R
			M7-1412										
			Rm 101	VO	PBK/FRCS Storage (After Temp Use for SRB HPU Hot Firing)					2			
			MSFC Control Van	TO	APU Hot Fire Test				4				
			Outside MSFC SK Van	TO	APU Hot Fire Test							1	
			Support Trailer	TS	APU Hot Fire				2				
			PAD 1460										
			* Operations Trailer		SRB Hot Fire				5		1		R
			* Support Trailer		SRB Hot Fire				2		3		R
			* Trailers scheduled to be moved to the SLF										R

1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S)	3. PAGE NO. B-1-59
		DATED	4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT					
						51	52	53	17	19	PORTBL
			Trailer South of Rm 100	VO	Temp use for SRB HPU Hot Firing					1	

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PAGE TITLE: SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-60 DATED 2-7-79	3. PAGE NO. B-1-60
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8 R

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT					
						51	52	53	CTIS	17	19
			CRAWLER TRANSPORTER CT-1								
			Control Room	TG	CT Operations				1	2	1
			CAB #1	TG	CT Operations					2	
			*These units are required for Phase 2 only.								
			CAB #3	TG	CT Operations					2	
			Engine Room Side 1	TG	CT Operations				1		
			Engine Room Side 3	TG	CT Operations				1		
			Hydraulic Pump Room	TG	CT Operations				1		
			CT Corners A, B, C, D	TG	CT Operations				4		
			Instrumentation Room	TG	CT Operations					1	
			Engine Room Side 4	TG	CT Operations				1		
			CRAWLER TRANSPORTER CT-2								
			Control Room	TG	CT Operations					3	1
			CAB #1	TG	CT Operations					2	
			Units required for Phase 2.								
			CAB #3	TG	CT Operations					2	
			Engine Room Side 1	TG	CT Operations				1		
			Engine Room Side 3	TG	CT Operations				1		
			Hydraulic Pump Room	TG	CT Operations				1		
			CT Corners A, B, C, D	TG	CT Operations				4		
			Engine Room Side 4	TG	CT Operations				1		

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-61 DATED 8-1-80	3. PAGE NO. B-1-61
			4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT					
						51	52	53	17	19 PORT	
			CIF								
			Room 248	TI	Timing Sys O&M				1		
			UCS 3	VO	Abort Advisory					2	
			UCS 4	VO	Abort Advisory					2	
			UCS 7	VO	Abort Advisory					2	
			UCS 15	VO	Abort Advisory					2	
			Training Site L7-888							8	

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1. CLASSIFICATION K-SM-10.2.81

SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-62 DATED 1-11-80	3. PAGE NO. B-1-62
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8 R

8. ITEM NO.	11.	12.	13. LOCATION	14. QUANTITY AND TYPE UNIT					
				51	52	53	17	91	19
			VABR						
			Room 100 TI LPS HIM O&M HIM Rack						1
			Canister/Tranporter K6-1091 Emergency Gen Plant TG					4	1

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B - 1	OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-63 DATED 8-1-80	3. PAGE NO. B-1-63
			4. DATE 12-1-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT					
						51	52	53	17	HDST EXT	SPKR MON
			FLIGHT CREW TRAINING BUILDING								
			Room 169B	DL	LPS C/O		11	1		1	1
			Room 125	TI	OIS Maint	1	1				
			Room (TBD)						1		
			O&C								
			Room 3277B	VT	Crew Quarters			1			
			Room 3287	VT	Crew Equipment Room			1			1
			Room 3264	TI	HIMS			1			

R

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B - 1 OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-64 DATED 8-1-80	3. PAGE NO. B-1-64
		4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	6. PROGRAM	7. REV. NO. 10
9. TEST CODE		

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT 51	52	53	33	57	54	R
			CD&SC (M6-138)									
			Room 102, Rack 5.05	TI	V/S O&M		1					
			Rack 5.07	TI	V/S O&M		1					
			Room 103, Console A1	TI	WB O&M		1			1		
			Console A4	TI	WB O&M		1			1		
			Room 131, Rack 151A2	TI	V/S Record O&M		1					
			Rack 152A4	TI	V/S Record O&M		1			1		
			Rack 160	TI	TV Record O&M		1					
			Room 132, TC Console	TI	V/S O&M		1			1		
			Rack 2.05	TI	V/S O&M		2					
			Rack 5.02	TI	V/S O&M		1			1		
			Room 133, Console 101A1	TI	V/S Engineer	1						
			Console 101A2	TI	V/S Engineer		1					
			Console 104	TI	Cables & Frames		1				1	R
			Console 108	TI	Networks Support		1				1	R
			Console 105A3	TI	Comm Control	1						
			Console 105A5	TI	Comm Control		1			1		
			Console 106A2	TI	V/S Supervisor	1	1					
			Console 107A2	TI	Comm Coord	1						
			Console 102A5	TI			1					
			Console 102A2	TI			1					
			Console 105A4	TI			4					
			Console 102A4	TI			1					
			Console 105A1	TI			1					
			Room 131, Rack 155	TI	Record		1					
			Rack 155A2	TI	Record					1		

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B - 1 OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) DATED	3. PAGE NO. B-1-65
		4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81 9. TEST CODE	6. PROGRAM	7. REV. NO. 5

8. ITEM NO.	11.	12.	13. LOCATION			14. QUANTITY AND TYPE UNIT					
										SPECIAL SPKR	MIC
			M7-1417 ORDANCE TEST LAB								
			West Firing Cell 1	VE	Ord Insp					1	
			East Firing Cell 1	VE	Ord Insp					1	
			Outside	VE						1	
		-	Control Room	VE						1	1

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B - 1 OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) B-1-66 DATED 8-1-80	3. PAGE NO. B-1-66
		4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	6. PROGRAM	7. REV. NO. 10
9. TEST CODE		

8. ITEM NO.	11.	12.	13. LOCATION	14. QUANTITY AND TYPE UNIT						
				53	17	58	64	TOPS	TYPE 2	R
			SCAPE SUITING/OR SCAPE TECHNICIAN							
			Control Trailers (9 each) TG	9	9	9	36	9	9	R
			SCAPE Area (Various) TG		4 Port					
			Hangar "S" Annex TG	1 -	Life Support Hdst Test Panel					
			Protective Clothing* TG							
			Training Area TG	1 -	Headset (For 53 or 19 Unit)					

*Type of OIS Unit in Protective Clothing Training Area will be dictated by location. Either(2) 53 Units or (2) 19 Units.

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PAGE TITLE: OIS - SECTION B-1 TERMINATIONS - VOICE			2. REPLACES PAGE (S) B-1-67 DATED 8-1-80	3. PAGE NO. B-1-67
				4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION				
11.				

The OIS-RF Test Conductor 51 Units consist of the 22B4 and 22A9 type configurations.

The 22B4 Type 51 Unit can be configured with only six (6) Point-to-Point Circuits and Radio Nets must be terminated on Buttons 5 through 18 only.

The 2269 Type 51 Units are not limited to a total of six (6) Point-to Point circuits but Radio Nets must be terminated on Buttons 5 through 18.

Channelization of the Audio Buttons will be per Approval/Authorized Requirements extracted from the Launch and Landing, Flight or Kennedy Program Requirements Documents.

51 UNIT LOCATIONS		UNIT TYPE	
CR #1 CONSOLE	AA-1	22B9	
CR #1 CONSOLE	AA-2	22B9	
CR #1 CONSOLE	AA-3	22B9	
CR #1 CONSOLE	AA-4	22B9	
CR #1 CONSOLE	AA-5	22B9	
CR #1 CONSOLE	AA-6	22B9	R
CR #1 CONSOLE	AB-2	22B9	
CR #1 CONSOLE	AB-3	22B9	
CR #1 CONSOLE	AB-4	22B9	
CR #1 CONSOLE	AB-5	22B9	
CR #1 CONSOLE	AB-6	22B9	
CR #1 CONSOLE	AB-7	22B9	
CR #1 CONSOLE	AC-1	22B9	
CR #1 CONSOLE	AC-2	22B9	
CR #1 CONSOLE	AC-4	22B9	
CR #1 CONSOLE	AC-7	TBD	

51 UNIT LOCATIONS		51 UNIT TYPE	
CR #1 CONSOLE	AC-8	TBD	
CR #1 OSR POSITION	A-1	22B4	
CR #1 OSR POSITION	A-3	22B4	R
CR #1 OSR POSITION	A-5	22B4	
CR #1 OSR POSITION	A-6	22B4	
CR #1 OSR POSITION	A-10	22B4	
CR #2 CONSOLE	AA-1	22B4	
CR #2 CONSOLE	AA-2		R
CR #2 CONSOLE	AA-3		R
CR #2 CONSOLE	AA-4	22B4	
CR #2 CONSOLE	AA-5	22B4	
CR #2 CONSOLE	AA-6	22B4	
CR #2 CONSOLE	AB-2	22B4	
CR #2 CONSOLE	AB-3	22B4	
CR #2 CONSOLE	AB-4	22B4	
CR #2 CONSOLE	AB-5	22B4	

PAGE TITLE: OIS - SECTION B-1 TERMINATIONS - VOICE			2. REPLACES PAGE (S) B-1-68 DATED 8-01-80	3. PAGE NO. B-1-68
				4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION				

11.

51 UNIT LOCATION	UNIT TYPE
CR #2 CONSOLE AC-1	22B4
CR #2 CONSOLE AC-2	22B4
CR #2 CONSOLE AC-4	22B4
CR #2 CONSOLE AC-7	22B4
LCC 1P1 CCR [redacted]	22B4
LCC 1P1 CONSOLE #1	22B4
LCC 1P1 CONSOLE #4	22B4
LCC 1P2 CONSOLE C-112	22B4
LCC 1P2 CONSOLE C-211	22B4
LCC 1P9 CONSOLE A-15	22B4
LCC 1P9 CONSOLE [redacted]	[redacted]
LCC 1P9 CONSOLE A-18	22B4
LCC 1P9 CONSOLE 0341A2 (LPS)	22B4
LCC 1P10 CONSOLE 4A	22B9
LCC 1P10 CONSOLE 5	22B9
LCC 1P10 CONSOLE 15	22B9
LCC 1P10 CONSOLE 16	22B9
LCC 1P10 CONSOLE 17	22B9
LCC 1P10 CONSOLE 18 [redacted]	22B9
CDSC RM 133 CONSOLE 101A1	22B4
CDSC RM 133 CONSOLE 104	TBD
CDSC RM 133 CONSOLE 108	TBD
CDSC RM 133 CONSOLE 105A3	22B4
CDSC RM 133 CONSOLE 106A2	22B4
CDSC RM 133 CONSOLE 107A2	22B4

51 UNIT LOCATION	51 UNIT TYPE

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PAGE TITLE: SECTION B-1 TERMINATIONS - VOICE			2. REPLACES PAGE (S) B-1-69 DATED 8-1-80	3. PAGE NO. B-1-69
				4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION OIS DISTRIBUTOR - LCC TYPE 17 UNITS - OMR/OSR/CR2/3P12				

11.

The main OIS Patch Distributor in LCC 1P1 can accept up to fifty (50) inputs.

This Distributor feeds Sub-Distributors under CR1 and CR2 floors.

Of the 50 inputs to the Main Patch Distributor any 42 of these can be supplied to the CR1 Sub-Distributor, and any 42 can be supplied to the CR2 Sub-Distributor.

Each Sub-Distributor is capable of supplying four (4) "Branch" outputs. Each Branch supplies mulitple OIS 17 Units located in CR1 OMR, CR1 OSR, CR2 ESA, and LCC Rm 3p12. Branch configuration is determined by requirements extracted from the L&L PRD and the KPRD. Each Branch can have a maximum of andy twenty-one (21) of the forty-two (42) circuits supplied to the Sub-Distributror.

The following is a listing of Type 17 Unit locations and the Branch to which each is connected.

UNIT LOCATIONS	SUB-DISTRIBUTOR	BRANCH #	
OMR POSITION A-1	CR-1	1	
OMR POSITION A-2	CR-1	1	
OMR POSITION A-3	CR-1	1	
OMR POSITION A-4	CR-1	1	
OMR POSITION A-5	CR-1	1	
OMR POSITION A-6	CR-1	1	
OMR POSITION A-7	CR-1	1	
OMR POSITION A-8	CR-1	1	
OMR POSITION A-9	CR-1	1	
OMR POSITION A-10	CR-1	1	
OMR POSITION A-11	CR-1	1	
OMR POSITION A-12	CR-1	1	
OMR POSITION A-13	CR-1	1	
OMR POSITION A-14	CR-1	1	
OMR POSITION A-15	CR-1	1	
OMR POSITION A-16	CR-1	1	
OSR POSITION A-2	CR-1	2	R
OSR POSITION A-4	CR-1	2	
OSR POSITION A-7	CR-1	2	
OSR POSITION A-8	CR-1	2	R
OSR POSITION A-9	CR-1	8	R
OSR POSITION A-11	CR-1	5	R
OSR POSITION A-12	CR-1	3	R
OSR POSITION A-14	CR-1	6	R
OSR POSITION A-13	CR-1	6	R
CR #2 CONSOLE C-8 (0215A1)	CR-1	2	
OMR POSITION A-17	CR-1	3	
OMR POSITION A-18	CR-1	4	
OMR POSITION A-19	CR-1	4	
OSR POSITION A-11	CR-2	5	
OSR POSITION A-12	CR-2	3	R

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PAGE TITLE: SECTION B-1 TERMINATIONS - VOICE			2. REPLACES PAGE (S) B-1-70 DATED 8-1-80	3. PAGE NO. B-1-70
				4. DATE 6-01-81 R
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION OIS DISTRIBUTOR - LCC TYPE 17 UNITS - OMR/OSR/CR2/3P12				

11.

UNIT LOCATIONS	SUB-DISTRIBUTOR	BRANCH #	
[redacted]			
CR #2 CONSOLE C-4 (0216A2)	CR-2	6	
CR #2 CONSOLE C-10 (0215A2)	CR-2	7	
CR #2 CONSOLE C-12 (0215A3)	CR-2	7	
3P12	CR-2	7	
CR #2 CONSOLE C-2 (0216A1)	CR-2	5	R
[redacted] 3P12 [redacted]	CR-2	8	
CR #2 CONSOLE C-14 (0204A1)	CR-2	5	R
CR #2 CONSOLE E-24 (0239A3)	CR-2	3	R
CR #2 CONSOLE E-14 (0208A1)	CR-2	6	R
CR #2 CONSOLE E-22 (0239A2)	CR-2	8	R
CR #2 CONSOLE E-8 (0231A1)	CR-2	8	R
CR #2 CONSOLE G-12 (0247A3)	CR-2	6	R

UNIT LOCATIONS	SUB-DISTRIBUTOR	BRANCH #

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PAGE TITLE: SECTION B-2		2. REPLACES PAGE (S) DATED	3. PAGE NO. B-2-1
			4. DATE 2-7-79
5. PROGRAM TITLE:	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11.
	POINT-TO-POINT

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-2 POINT-TO-POINT	2. REPLACES PAGE (S) B-2-2 DATED 8-1-80	3. PAGE NO. B-2-2
		4. DATE 6-01-81
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. USE A. ADMIN	10. USE C. OPS	11. TYPE OF SERVICE	12. QTY	13. LOCATION OF OPERATING TERMINALS FROM A. STA	FROM B. BLDG	FROM C. ROOM	TO A. STA	TO B. BLDG	TO C. ROOM	14. PURPOSE AND REMARKS	
			X	Point to Point Telephone Circuit (2BPC429)	1	KSC	LCC Cons AB5/6	CR1 or CR2	AFETR	RCC	SRO		R
			X	Point to Point Telephone Circuit (2BPC430)	1	KSC	LCC Cons. AB5/6	CR1 or CR2	KSC	USB	GMIL		R
			X	Point To Point Telephone Circuit (2BPM093)	1	KSC	LCC Cons. AB5/6	CR1 or CR2	KSC	Pad A or Pad B	Slide wire Bunker		R
			X	Point To Point Telephone Circuit	1	KSC	LCC Cons. AB-2	CR1 or CR2	AFETR	RCC	SRO		
			X	Point To Point Telephone Circuit (2BPM400)	1	KSC	LCC Cons. AB6/7	CR1	KSC	UCS	3,4,7, & 15		R F
			X	Point To Point Telephone Circuit (2BPM401)	1	KSC	LCC Cons. AB6/7	CR1	KSC	Pad A	FSS Elev 1W & Elev 2 E		R
			X	Point To Point Telephone Circuit (2BPC053)	1	KSC	LCC Cons. (C8A3)	CR1	ETR	RCC	RSO		R

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-2 POINT-TO-POINT	2. REPLACES PAGE (S) B-2-3 DATED 8-1-80	3. PAGE NO. B-2-3
		4. DATE 12-01-81
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. USE A. ADMIN	10. USE C. OPS	11. TYPE OF SERVICE	12. QTY	13. LOCATION OF OPERATING TERMINALS FROM A. STA	FROM B. BLDG	FROM C. ROOM	TO A. STA	TO B. BLDG	TO C. ROOM	14. PURPOSE AND REMARKS	
			X	Point To Point Telephone Circuit	1	KSC	LCC Cons. AB-2	CR1 or CR2	KSC	LCC TS Duty Off	3R4		
			X	Point To Point Telephone Circuit	1	KSC	LCC Cons. AB-2	CR1 or CR2	KSC	LCC Sppt. Cont.	CCC		
			X	Point To Point Telephone Circuit	1	KSC	LCC Cons. AB-2	CR1 or CR2	KSC	LACB	-		
			X	Point To Point Telephone Circuit (2BPM1007)	1	KSC	Main Dispensary & LCC	116 1R28	KSC	LCC, AC-4	CR1 or CR2		R
			X	Point To Point Telephone Circuit (2BPM281)	1	KSC	Main Dispensary	116	KSC	LCC. Dispensary	1R28		R
			X	Point To Point Telephone Circuit (2BPC424)	1	KSC	Main Dispensary	116	CCAFS	Rad. Cont.	-		R
			X	Point To Point Telephone Circuit (2BPC049)	1	KSC	WEA STA B	2nd Fl.	ETR	RCC	CCFF		R
			X	Point to Point (2BPM1028)	1	KSC	LCC CONS AA-2	CR1	KSC	LCC CON AB-2	CR1		R R

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PAGE TITLE: SECTION B-2 POINT-TO-POINT	2. REPLACES PAGE (S)B-2-4 DATED 8-1-80	3. PAGE NO. B-2-4
		4. DATE 6-01-81
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. USE A. ADMIN	10. USE C. OPS	11. TYPE OF SERVICE	12. QTY	13. LOCATION OF OPERATING TERMINALS FROM A. STA	FROM B. BLDG	FROM C. ROOM	TO A. STA	TO B. BLDG	TO C. ROOM	14. PURPOSE AND REMARKS	
			X	Point To Point Telephone Circuit (2BPC136)	1	KSC	Main Dispensary	116	CCAFS	CX-17	Pad Safe.		R
			X	Point To Point Telephone Circuit (2BPC140)	1	KSC	Main Dispensary	116	CCAFS	CX-36	Pad Safe.		R
			X	Point To Point Telephone Circuit (2BPC146)	1	KSC	Main Dispensary	116	CCAFS	CX-40	Pad Safe.		R
			X	Point To Point Telephone Circuit (2BPC150)	1	KSC	Main Dispensary	116	CCAFS	CX-41	Pad Safe.		R
			X	Point To Point Telephone Circuit (2BPC155)	1	KSC	Main Dispensary	116	CCAFS	CX-43	Pad Safe.		R
			X	Point To Point Telephone Circuit (2BPC244)	1	KSC	Main Dispensary & LCC	116 1R28	CCAFS	ETR Dispensary	Emer. Rm.		R
			X	Point To Point Telephone Circuit (2BPM1008)	1	KSC	LCC Cons. AC-1 & AC-2	CR1 or CR2	KSC	LCC Cons. 0783 & 0784	1P10	Console 0783 is Safety Console 0784 is Safety	R

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-2 POINT-TO-POINT	2. REPLACES PAGE (S)B-2-5 DATED 8-1-80	3. PAGE NO. B-2-5
		4. DATE 6-01-81
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. USE A. ADMIN	10. USE C. OPS	11. TYPE OF SERVICE	12. QTY	13. LOCATION OF OPERATING TERMINALS FROM A. STA	FROM B. BLDG	FROM C. ROOM	TO A. STA	TO B. BLDG	TO C. ROOM	14. PURPOSE AND REMARKS	
			X	Point To Point Telephone Circuit (2BPM1006)	1	KSC	LCC Cons. AC-1 & AC-2	CR1 or CR2	KSC	LCC Cons. 0785 & 0786	1P10	Console 0785 is Security Console 0786 is Security	R
			X	Point To Point Telephone Circuit (2BPM1011)	X	KSC	LCC Cons* 0783, 0784, 0785, 0786 & Cons. AC-1 & AC-2	1P10 CR1 or CR2	KSC	Fall-back Area	RB-A11	Ringing is not provided on Consoles AC-1 or AC-2	R
			X	Point To Point Telephone Circuit (2BPM1012) *Console 0783 is Safety Console 0784 is Safety/ Hurricane Console 0785 is Security/ Hurricane Console 0786 is Security	X	KSC	LCC Cons* 0783, 0784, 0785, 0786 & Cons. AC-1 & AC-2	1P10 CR1 or CR2	KSC	Fall-back Area	RB-A5	Ringing is not provided on Consoles AC-1 or AC-2	R R

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PAGE TITLE: SECTION B-2 POINT-TO-POINT	2. REPLACES PAGE (S) B-2-6 DATED 8-1-80	3. PAGE NO. B-2-6
		4. DATE 6-01-81
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. USE A. ADMIN	10. USE C. OPS	11. TYPE OF SERVICE	12. QTY	13. LOCATION OF OPERATING TERMINALS FROM A. STA	FROM B. BLDG	FROM C. ROOM	TO A. STA	TO B. BLDG	TO C. ROOM	14. PURPOSE AND REMARKS	
			X	Point To Point Telephone Circuit (2BPM037)	1	KSC	Gate F		KSC	LCC	1P10 PACAS CONS	*Console 0783 is Safety Console 0784 is Safety Console 0785 is Security Console 0786 is Security	R
			X	Point To Point Telephone Circuit (2BPM1017)	1	KSC	LCC Cons* 0783 & 0784	1P10	KSC	Pad A Pad B	Apron Apron		R
			X	Point To Point Telephone Circuit (2BPM1030)	1	KSC	LCC Cons* 0785, & 0786	1P10	KSC	LCC Cons. AB5/6	CR1 or CR2		R
			X	Point To Point Telephone Circuit (2BPM1004)	1	KSC	OHF LCC	116 1R28	KSC	SLF	MDD LACB, GOC		R
			X	Point To Point Telephone Circuit (2BPM169)	1	KSC	LACB	Rm 5 & VOP	PAFB	RAPCON		PAFB RAPCON to LACB/VOP	R R

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-2 POINT-TO-POINT	2. REPLACES PAGE (S)B-2-7 DATED 8-1-80	3. PAGE NO. B-2-7
		4. DATE 6-1-81
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. USE A. ADMIN	10. USE C. OPS	11. TYPE OF SERVICE	12. QTY	13. LOCATION OF OPERATING TERMINALS FROM A. STA	FROM B. BLDG	FROM C. ROOM	TO A. STA	TO B. BLDG	TO C. ROOM	14. PURPOSE AND REMARKS	
			X	Point To Point Telephone Circuit (2BPM1009)	1	KSC	LCC Cons* 0785 & 0786	1P10	KSC	KSC HQ, Secur Cmd. Cntr.	1147H	* Console 0775 is Fire A Console 0776 is Fire B Console 0785 is Security Console 0786 is Security	R R
			X	Point To Point Telephone Circuit (2BPM1013)	1	KSC	LCC Cons* 0785 & 0786	1P10	CCAFS	1638	109 SWBD		R
			X	Point To Point Telephone Circuit (2BPM1010)	1	KSC	LCC Cons* 0775 & 0776	1P10	KSC	LCC Cons* AC-1 AC-2	CR1 or CR2		R
			X	Point To Point Telephone Circuit (2BPM1014)	X	KSC	LCC Cons* 0775 & 0776 & LCC	1P10 3R4	KSC	Fire Sta.#1	Dis-patch		R

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-2 POINT-TO-POINT	2. REPLACES PAGE (S)B-2-8 DATED 8-1-80	3. PAGE NO. B-2-8
		4. DATE 6-01-81
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. USE A. ADMIN	10. USE C. OPS	11. TYPE OF SERVICE	12. QTY	13. LOCATION OF OPERATING TERMINALS FROM A. STA	FROM B. BLDG	FROM C. ROOM	TO A. STA	TO B. BLDG	TO C. ROOM	14. PURPOSE AND REMARKS	
			X	Point To Point Telephone Circuit (2BPM1016)	X	KSC	LCC Cons* Fire A Fire C 0783	1P10	KSC	HMF CR (M7-1061)	Safety		R
			X	Point To Point Telephone Circuit (2BPM065)		KSC	LCC	1P10 CONS 0775	KSC	M6-493	7A		R
			X	Point To Point Telephone Circuit (2BPC1018)	1	KSC	LCC Cons. Fire A & Fire C	1P10	KSC	Fire Sta#2	Dis-patch		R
			X	Point To Point Telephone Circuit (2BPC085)	1	KSC	KSC HQ	1147	CCAFS	1638-	109 SWBD		R
			X	Point To Point Telephone Circuit (2BPC052)	1	KSC	KSC HQ	1147	CCAFS	Coast Guard	Duty Officer		R

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PAGE TITLE: SECTION B-2 POINT-TO-POINT	2. REPLACES PAGE (S)B-2-9 DATED 8-1-80	3. PAGE NO. B-2-9
		4. DATE 6-01-81
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. USE A. ADMIN	10. USE C. OPS	11. TYPE OF SERVICE	12. QTY	13. LOCATION OF OPERATING TERMINALS FROM A. STA	FROM B. BLDG	FROM C. ROOM	TO A. STA	TO B. BLDG	TO C. ROOM	14. PURPOSE AND REMARKS	
			X	Point To Point Telephone Circuit (2BPM1015)	1	KSC	LCC Cons* 0785 & 0786	1P10	KSC	Pad A Pad Lt.	Main Gate	* Console 0785 is Security Console 0786 is Security	R
			X	Point To Point Telephone Circuit (2BPM009)	1	KSC	LCC Cons* 0785 & 0786	1P10	KSC	Pad B Pad Lt.	Main Gate		R
			X	Point To Point Telephone Circuit (2BPM1005)	1	KSC	LCC Cons* 0785 & 0786 & Security Dispatch Console	1P10	KSC	K6-1146	Patrol OPS		R R
			X	Point To Point Telephone Circuit (2BPM1003)	1	KSC	LCC CONS 0784	1P10	CCAFS	RCC	CCFF		R
			X	Point To Point Telephone Circuit (2BPM515)	1	KSC	Boxcar A5	S.E. Corner	KSC	Pad A	OAA White Room	White Room Coord	R
			X	Point To Point Telephone Circuit (2BPM514)	1	KSC	Boxcar A13		KSC	Pad A	PCR Anti-room	130 Foot Level RSS	R
			X	Point To Point Telephone Circuit (2BPM516)	1	KSC	Boxcar D1		KSC	Pad A	111	Complex Operations (Safety)	R

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-2 POINT-TO-POINT	2. REPLACES PAGE (S)B-2-10 DATED 8-1-80	3. PAGE NO. B-2-10
		4. DATE 6-01-81
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. USE A. ADMIN	10. USE C. OPS	11. TYPE OF SERVICE	12. QTY	13. LOCATION OF OPERATING TERMINALS FROM A. STA	FROM B. BLDG	FROM C. ROOM	TO A. STA	TO B. BLDG	TO C. ROOM	14. PURPOSE AND REMARKS	
			X	Point To Point Telephone Circuit (2BPC169)	1	KSC	LACB/ MDD	TOP GOC	PAFB	Approach Control Center			R
			X	Point To Point Telephone Circuit (2BPC053)	1	KSC	LCC	CR-1/ 2 E-12	CCAFS	XY	RCC RSO		R
			X	Point To Point Telephone Circuit (2BPM007)	1	KSC	LCC	1P9 A-12 A-14	KSC	VAB	5E7		R
			X	Point To Point Telephone Circuit (2BPM008)	1	KSC	LCC	1P9 0333A1 0333A2 1P9A	KSC	PWR SUB STA K6-1141 M6-486			R
			X	Point To Point Telephone Circuit (2BPM362)	1	KSC	LCC	1P9 A-12 A-14	KSC	BSI Cntrl Dspth & BSI Central Scheduling	RM 132		R
			X	Point To Point Telephone Circuit (2BPC117)	1	KSC	LCC	1P9 A-12 A-14	KSC	RCC	CCFF		R

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-2 POINT-TO-POINT	2. REPLACES PAGE (S) DATED 1-11-80	3. PAGE NO. B-2-11
		4. DATE 6-01-81
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. USE A. ADMIN	10. USE C. OPS	11. TYPE OF SERVICE	12. QTY	13. LOCATION OF OPERATING TERMINALS FROM A. STA	FROM B. BLDG	FROM C. ROOM	TO A. STA	TO B. BLDG	TO C. ROOM	14. PURPOSE AND REMARKS	
			X	Point To Point Telephone Circuit (2BPM074)	1	KSC	LCC	1P9 A-12 A-14	KSC	Security Headquarters			R
			X	Point To Point Telephone Circuit (2BPM248)	1	KSC	LCC	1P9 A-12 A-14	KS	O&C Hurricane Control	4286		R
			X	Point To Point Telephone Circuit (2BPC203)	1	KSC	LCC	1P9 A-12 A-14	CCAFS	Hgr S	BSI Life Sup.		R
			X	Point To Point Telephone Circuit (2BPM187)	1	KSC	LCC	1P9 A-12 A-14	KSC	BSI Propellents			R
			X	Point To Point Telephone Circuit (2BPM017)	1	KSC	LCC	1P9 A-12 A-14	KSC	LCC	3R4 TS-OSM Duty Off		R
			X	Point To Point Telephone Circuit (2BPC011)	1	KSC	LCC	1P9 A-12 A-14	CCAFS	1645	Cape Sup-port		R
			X	Point To Point Telephone Circuit (2BPM1026)	1	KSC	LCC	1P13B	KSC	LCC	1P9 INT Console		R
			X	Point To Point Telephone Circuit (2BPM540)	1	KSC	LCC	1P13B	KSC	LCC	1P9 A-15 A-16		R

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-2 GROUND COMMUNICATIONS - POINT-TO-POINT	2. REPLACES PAGE (S)B-2-12 DATED 8-1-80	3. PAGE NO. B-2-12
		4. DATE 6-01-81
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. USE A. ADMIN	10. USE C. OPS	11. TYPE OF SERVICE	12. QTY	13. LOCATION OF OPERATING TERMINALS FROM A. STA	FROM B. BLDG	FROM C. ROOM	TO A. STA	TO B. BLDG	TO C. ROOM	14. PURPOSE AND REMARKS	
			X	Point To Point Circuit (2BPM068)	1	KSC	LCC	1P10 CONS 0775	KSC	M6-399 (HDQ)	3512A		
			X	Point To Point Circuit (2BPM067)	1	KSC	LCC	1P10 CONS 0775	KSC	M6-493	9A (FIRE CHIEF)		
			X	Point To Point Circuit (2BPM1021)	1	KSC	LCC	CR-1 or CR-2 CONS AB-3 AB-4 AB-5	KSC	SEE	NOTE	Note #1 PTP to ring on AB3 & AB5 with extension to AB-4 (no ring). Note #2 PTP to be patchable upon request as follows: A. OPF (2 locations) 1. Platform 1, Column 04 2. 6' West of tug door south end of OPF ring at both locations. B. VAB-N.E. corner of ORB access room adjacent to control distributor C. Pad A anteroom to RSS	R
				(2BPC107)	1	KSC	LCC	1P10 0776	CCAFS	Fire Services			R
			X	Point To Point Circuit (2BPM593)	1	KSC	LCC	1P10 0776	KSC	GMIL STDN			R

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-2 GROUND COMMUNICATIONS - POINT-TO-POINT	2. REPLACES PAGE (S)B-2-13 DATED 6-25-79	3. PAGE NO. B-2-13
		4. DATE
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 8

8. ITEM NO.	9. TEST CODE	10. USE A. ADMIN	10. USE C. OPS	11. TYPE OF SERVICE	12. QTY	13. LOCATION OF OPERATING TERMINALS FROM A. STA	FROM B. BLDG	FROM C. ROOM	TO A. STA	TO B. BLDG	TO C. ROOM	14. PURPOSE AND REMARKS
				2 BPM 078		KSC	LCC	1)1P9 CONS 0333A1 2)1P9 CONS 0333A3 3)1P9A Desk	ETR	#1740	Supv CNTL	Power Control Net
				2 BPM 102		KSC	LCC	1)1P9 CONS 0333A1 2)1P9 CONS 0333A3 3)1P9A Desk	KSC	Util-ity Annex (K6-947)	Cont. Room	Power Coord
				2 BPM 192		KSC	LCC	1)1P9 CONS 0333A1 2)1P9 CONS 0333A3 3)1P9A Desk	KSC	CONT. Sup-port Bldg. (K6-1195)	102C	Boeing Power Coord
				2 BPM 192		KSC	LCC	1)1P9 CONS 0333A1 2)1P9 CONS 0333A3 3)1P9A	KSC	M6-339	102	R

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-2 GROUND COMMUNICATIONS - POINT-TO-POINT	2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. B-2-14
		4. DATE 6-25-79
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 6

8. ITEM NO.	9. TEST CODE	10. USE A. ADMIN	10. USE C. OPS	11. TYPE OF SERVICE	12. QTY	13. LOCATION OF OPERATING TERMINALS FROM A. STA	FROM B. BLDG	FROM C. ROOM	TO A. STA	TO B. BLDG	TO C. ROOM	14. PURPOSE AND REMARKS	
				2 BPM 196		KSC	LCC	1)1P9 CONS 0333A1 2)1P9 CONS 0333A3 3)1P9A Desk	KSC	M6-339	102		R
				2 BPM 207		KSC	LCC	1)1P9 CONS 0333A1 2)1P9 CONS 0333A3 3)1P9A Desk	KSC	Base Support (M6-486)	Heavy Equip. Shop	Power Coord	
				2 BPM 551		KSC	LCC	1)1P9 CONS 0333A1 2)1P9 CONS 0333A3 3)1P9A Desk	KSC	Base Support (M6-486)	132	Power Coord	

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-2 GROUND COMMUNICATIONS - POINT-TO-POINT	2. REPLACES PAGE (S) DATED 1-11-80	3. PAGE NO. B-2-15
		4. DATE 6-01-81
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. USE A. ADMIN	10. USE C. OPS	11. TYPE OF SERVICE	12. QTY	13. LOCATION OF OPERATING TERMINALS FROM A. STA	FROM B. BLDG	FROM C. ROOM	TO A. STA	TO B. BLDG	TO C. ROOM	14. PURPOSE AND REMARKS
			X	Point to Point		KSC	O&C	4286 TS CONS	KSC	LCC	1P10	
			X	Point to Point (2BPM1025)		KSC	O&C	4286 SF CONS	KSC	LCC	1P10 (CONS (0784 SAF)	R
			X	Point to Point		KSC	O&C	4286 KSC RPO CONS	KSC	LCC	1P10	
			X	Point to Point		KSC	O&C	4286 CCAFS RPO CONS	KSC	LCC	1P10	
			X	Point to Point		KSC	O&C	4286 EH CONS	KSC	LCC	1P10	
			X	Point to Point		KSC	O&C	4286 SF CONS	KSC	LCC	CR1/2 AC-1	
			X	Point to Point		KSC	O&C	4286 TS CONS	KSC	LCC	1P9 TS CONS	
			X	Point to Point		KSC	O&C	4286 NASA HQS CONS	KSC	LCC	CR1/2 AA4	
			X	Point to Point		KSC	O&C	4286 KSCSF CONS	KSC	CDSC	COMM Control	

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-2 GROUND COMMUNICATIONS - POINT-TO-POINT	2. REPLACES PAGE (S) DATED 1-11-80	3. PAGE NO. B-2-16
		4. DATE 6-01-81
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. USE A. ADMIN	10. USE C. OPS	11. TYPE OF SERVICE	12. QTY	13. LOCATION OF OPERATING TERMINALS FROM A. STA	FROM B. BLDG	FROM C. ROOM	TO A. STA	TO B. BLDG	TO C. ROOM	14. PURPOSE AND REMARKS
			X	Point to Point		KSC	O&C	4286 KSC RPO CONS	KSC	O&C	3004-B KSC Medica	
			X	Point to Point		KSC	O&C	4286 KSC RPO CONS	CCAFS	RCC	Range Safety	
			X	Point to Point		KSC	O&C	4286 KSC RPO CONS	CCAFS	RCC	SRO Launch Support	
			X	Point to Point		KSC	O&C	4286 KSC RPO CONS	CCAFS	VIB	Safety	
			X	Point to Point (2BPC162)		KSC	O&C	4286 KSC SF CONS	CCAFS	RCC	Range Safety	R
			X	Point to Point		KSC	O&C	4286 KSC SF CONS	CCAFS	VIB	Safety	
			X	Point to Point		KSC	O&C	4286 KSC SF CONS	KSC	O&C	3004-B KSC Medica	

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-2 GROUND COMMUNICATIONS - POINT-TO-POINT	2. REPLACES PAGE (S) DATED 1-11-80	3. PAGE NO. B-2-17
		4. DATE 6-01-81
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. USE A. ADMIN	10. USE C. OPS	11. TYPE OF SERVICE	12. QTY	13. LOCATION OF OPERATING TERMINALS FROM A. STA	FROM B. BLDG	FROM C. ROOM	TO A. STA	TO B. BLDG	TO C. ROOM	14. PURPOSE AND REMARKS
			X	Point to Point		KSC	O&C	4286 CCAFS RPO CONS	KSC	O&C	3004-B KSC Medica	
			X	Point to Point		KSC	O&C	4286 CCAFS RPO CONS	CCAFS	RCC	SRO Launch	
			X	Point to Point		KSC	O&C	4286 CCAFS RPO CONS	CCAFS	RCC	RSO	
			X	Point to Point		KSC	O&C	4286 CCAFS RPO CONS	CCAFS	RCC	SRO Launch Support	
			X	Point to Point		KSC	O&C	4286 CCAFS RPO CONS	CCAFS	VIB	Safety	
			X	Point to Point (2BPC160)		KSC	O&C	4286 EH CONS	CCAFS	CAPE MED		R
			X	Point to Point		KSC	O&C	4286 EH CONS	KSC	O&C	3004-B KSC MED	
			X	Point to Point		KSC	O&C	4286 EH CONS	CCAFS	RCC	SRO Launch	

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PAGE TITLE: SECTION B-2 GROUND COMMUNICATIONS - POINT-TO-POINT	2. REPLACES PAGE (S) New DATED	3. PAGE NO. B-2-18
		4. DATE 1-11-80
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 7

8. ITEM NO.	9. TEST CODE	10. USE A. ADMIN	10. USE C. OPS	11. TYPE OF SERVICE	12. QTY	13. LOCATION OF OPERATING TERMINALS FROM A. STA	FROM B. BLDG	FROM C. ROOM	TO A. STA	TO B. BLDG	TO C. ROOM	14. PURPOSE AND REMARKS
			X	Point to Point		KSC	O&C	4286 EH CONS	CCAFS	RCC	RSO	
			X	Point to Point		KSC	O&C	4286 EH CONS	CCAFS	RCC	SRO Launch Support	
			X	Point to Point		KSC	O&C	4286 EH CONS	CCAFS	VIB	Safety	
			X	Point to Point		KSC	O&C	4286 SRO CONS	CCAFS	RCC	CCFF	
			X	Point to Point		KSC	O&C	4286 SRO CONS	KSC	LCC	CR1/2 CONS AA4	
			X	Point to Point		KSC	O&C	4286 SRO CONS	CCAFS	CAPE MED		
			X	Point to Point		KSC	O&C	4286 SRO CONS	PAFB	OPS CENTER		
			X	Point to Point		KSC	O&C	4286 SRO CONS	CCAFS	RCC	SRO LAUNCH	

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-2 GROUND COMMUNICATIONS - POINT-TO-POINT	2. REPLACES PAGE (S) New DATED	3. PAGE NO. B-2-19
		4. DATE 1-11-80
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 7

8. ITEM NO.	9. TEST CODE	10. USE A. ADMIN	10. USE C. OPS	11. TYPE OF SERVICE	12. QTY	13. LOCATION OF OPERATING TERMINALS FROM A. STA	FROM B. BLDG	FROM C. ROOM	TO A. STA	TO B. BLDG	TO C. ROOM	14. PURPOSE AND REMARKS
			X	Point to Point		KSC	O&C	4286 SRO CONS	CCAFS	RCC	RSO	
			X	Point to Point		KSC	O&C	4286 SRO CONS	CCAFS	RCC	SRO LAUNCH SUPPORT	
			X	Point to Point		KSC	O&C	4286 CCAFS CMDR CONS	CCAFS	RCC	CCFF	
			X	Point to Point		KSC	O&C	4286 CCAFS CMDR CONS	PAFB	OPS CENTER		
			X	Point to Point		KSC	O&C	4286 CCAFS CMDR CONS	CCAFS	RCC	SRO LAUNCH	
			X	Point to Point		KSC	O&C	4286 CCAFS CMDR CONS	CCAFS	RCC	RSO	
			X	Point to Point		KSC	O&C	4286 CCAFS CMDR CONS	CCAFS	RCC	SRO LAUNCH SUPPORT	

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-2 GROUND COMMUNICATIONS - POINT-TO-POINT	2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. B-2-20
		4. DATE 1-11-80
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 7

8. ITEM NO.	9. TEST CODE	10. USE A. ADMIN	10. USE C. OPS	11. TYPE OF SERVICE	12. QTY	13. LOCATION OF OPERATING TERMINALS FROM A. STA	FROM B. BLDG	FROM C. ROOM	TO A. STA	TO B. BLDG	TO C. ROOM	14. PURPOSE AND REMARKS
			X	Point to Point		KSC	O&C	4286 SAMTEC CONS	CCAFS	RCC	CCFF	
			X	Point to Point		KSC	O&C	4286 SAMTEC CONS	CCAFS	CAPE MED		
			X	Point to Point		KSC	O&C	4286 SAMTEC CONS	PAFB	OPS CENTER		
			X	Point to Point		KSC	O&C	4286 SAMTEC CONS	CCAFS	RCC	SRO LAUNCH	
			X	Point to Point		KSC	O&C	4286 SAMTEC CONS	CCAFS	RCC	RSO	
			X	Point to Point		KSC	O&C	4286 SAMTEC CONS	CCAFS	RCC	SRO LAUNCH SUPPORT	
			X	Point to Point		KSC	O&C	4286 DOE CONS	TBD			TO DOE RTG PGM MGR
			X	Point to Point		KSC	O&C	4286 DOE/HQ SAFETY CONS	TBD			TO DOE RTG PGM MGR

PAGE TITLE: SECTION B-2 GROUND COMMUNICATIONS - POINT-TO-POINT	2. REPLACES PAGE (S)B-2-21 DATED 8-01-80	3. PAGE NO. B-2-21
		4. DATE 6-01-81
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. USE A. ADMIN	10. USE C. OPS	11. TYPE OF SERVICE	12. QTY	13. LOCATION OF OPERATING TERMINALS FROM A. STA	FROM B. BLDG	FROM C. ROOM	TO A. STA	TO B. BLDG	TO C. ROOM	14. PURPOSE AND REMARKS	
			X	Point to Point		KSC	O&C	4286 DOE SAFETY MGR CONS	TBD			TO DOE RTG PGM MGR	
			X	Point to Point		KSC	O&C	4286 AF AIR CONT CONS	CCAFS	RCC	CCFF		
			X	Point to Point (2BPM103)		KSC	LCC	1R28	KSC	LCC	3R4		R
			X	Point to Point (2BPM039)		KSC	LCC	1R28	KSC	LCC	1P10 SECURITY CONS		R
			X	Point to Point (2BPC161)		KSC	O&C	4286 CONS 4678 SF	CCAFS	ETR SECURITY			R
			X	Point to Point (2BPC354)		KSC	O&C	4286 CONS 4675 4676 4677 2&4	KSC	OHF	1142		R
			X	Point to Point (2BPC077)		KSC	O&C	4286 CONS 4276 4277 2&4	CCAFS	ETR WEA STA.			R

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PAGE TITLE: SECTION B-2 GROUND COMMUNICATIONS - POINT-TO-POINT	2. REPLACES PAGE (S)B-2-22 DATED 8-1-80	3. PAGE NO. B-2-22
		4. DATE 6-01-81
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 10 R

8. ITEM NO.	9. TEST CODE	10. USE A. ADMIN	10. USE C. OPS	11. TYPE OF SERVICE	12. QTY	13. LOCATION OF OPERATING TERMINALS FROM A. STA	FROM B. BLDG	FROM C. ROOM	TO A. STA	TO B. BLDG	TO C. ROOM	14. PURPOSE AND REMARKS	
			X	Point to Point (2BPC1024)		KSC	LCC	CR-1/2 CON AC-4	CCAFS	BOSU			R
				Point to Point (2BPM174)		KSC	LCC	1P10 PACAS CONS	KSC	VAB	GATE F (2 PLACES)		R
				Point to Point (2BPM175)		KSC	LCC	1P10 PACAS CONS	KSC	VAB	GATE C (2 PLACES)		R
				Point to Point (2BPM172)		KSC	LCC	1P10 PACAS CONS	KSC	VAB	GND LVL (2 PLACES)		R
				Point to Point (2BPM173)		KSC	LCC	1P10 PACAS CONS	KSC	VAB	4TH FLR CROSS-OVER (GATE 3) (2 PLACES)		R

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-3		2. REPLACES PAGE (S) DATED	3. PAGE NO. B-3-1 4. DATE 2-7-79
5. PROGRAM TITLE:	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11. SPECIAL AUDIO

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PAGE TITLE: SECTION B-3 SPECIAL AUDIO			2. REPLACES PAGE (S)?B-3-2 DATED 8-1-80	3. PAGE NO. B-3-2 4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION				

11. VOICE SYSTEM/RECORDING CAPABILITY

(1) At Kennedy Space Center a Central Voice Recording Facility has been established and is functional. It supported all previous programs. This facility will be utilized for an on-going and future programs. The existing recording capability is adequate for known voice recording requirements.

The Central Distributing and Switching Center (CDSC) houses the Central Voice Recording Facility at KSC. By having the recording accomplished at a central location, maximum flexibility and utilization of equipment and personnel is attained. Maintenance and operational costs are minimized by having personnel and equipment in a localized area.

Incoming OIS and voice signals are transmitted into this facility by standard-level hardware circuits, where the recording is accomplished.

The existing equipment installed in the CDSC will process the simultaneous recording of 78 voice circuits. Time correlation can be accomplished on 70 of these circuits.

(2) In LCC Rm 1P10 seven (7) each single channel "Continuous Loop" recorders are provided for recording of Radio Nets 103, 203, 116, 216 and 105 and Emergency Number 911. These same Nets can be recorded continuously on an additional twenty (20) channel recorder located in the Central Recording Facility at the CD&SC.

(3) A 2 channel recording system is provided on CT-1 and CT-2 with playback capabilities provided by a playback speaker in console 23 of each C.T. R

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-3 SPECIAL AUDIO			2. REPLACES PAGE (S)B-3-3 DATED 2-7-79	3. PAGE NO. B-3-3
				4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION				

11.

ASTRO COMMUNICATIONS SYSTEM

An Astrocomm System Capability will be provided at KSC to contain the following features enabling RF or Umbilical Communications between the Shuttle Crew and Ground Operations during KSC Shuttle Processing and RF Communication during secondary site landing.

1. Provide capability for five (5) private Shuttle launch circuits (Intercomm A, Intercomm B, A/G 1 and 2, and UHF) using audio mode of the OIS units. Capability to be provided at five consoles in area A of Shuttle Control Room 1 and 2: Orbiter Test Conductor, Shuttle Test Director, STS Test Director, Landing/Recovery Director and BIOMED. Landing/Recovery Director will not have access to Intercomm A and Intercomm B. R

2. Each Shuttle Control Room (1 and 2) will be assigned and use five separate and distinct (total of ten) OIS channels for the five Orbiter links.

3. Provide capability to connect two Orbiter Audio Umbilical Links (Intercomm A and Intercomm B) to two separate OIS channels, when the Orbiter is located at the OPF or the Pad.

4. Provide capability to couple two air-to-ground S-Band links (A/G 1 and 2) to two separate OIS channels via the GSFC STDN site.

5. Provide capability to couple the Orbiter UHF link to an OIS channel via the GSFC STDN site.

6. Provide capability to record both uplink and downlink voice on all ten circuits with time correlation, as well as event recording of Astro Comm Panel configuration.

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-3 SPECIAL AUDIO			2. REPLACES PAGE (S)B-3-4 DATED 2-7-79	3. PAGE NO. B-3-4
				4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION				

11. 7. Provide switching capability at the OTC console via the Astro Comm Panel, in each Control Room (1 and 2) to enable or disable the five Orbiter voice links, either uplink of downlink or both, to any or all the five assigned OIS channels per Control Room. Private circuit capability to the STD, NTD, LRD, OTC and Aeromed consoles will not be affected by this panel. R R

8. The Orbiter-OIS Voice Link Interface System (Astrocomm System) shall have the capability of supporting both control rooms simultaneously as well as switching to alternate OIS channels.

9. The Astrocomm System shall provide a keying system to the GSFC STDN site for UHF, A/G 1 and A/G 2. Keying shall be enabled when the respective Orbiter uplink is enabled by the Astro Comm Panel, or by any of the management consoles (STD, NTD, LRD, OTC, Aeromed). R

10. Design Agency shall perform failure mode analysis to determine any single point failures in the system and recommend emergency backup operation.

11. There shall be no privacy channels such as aeromed, astronaut, etc. except as noted above.

12. Provide capability for RF-OIS users to monitor the two way conversation (uplink and downlink) when the RF-OIS uplink switch at the Astro Comm Panel is enabled or disabled. In addition, this monitor circuit can be disabled by the Astro Comm Panel.

13. Provide capability to verify the Operational Intercom (OIC) and Experimental Intercom (EIC) T-0 Interface Demate Relay capability, for the OPF.

1. CLASSIFICATION K-SM-10.2.81

(PAGE TITLE)	2. REPLACES PAGE (S)	3. PAGE NO.
SECTION B-3 SPECIAL AUDIO	B-3-5 DATED 2/7/79	B-3-5
		4. DATE 6/1/81
5. PROGRAM TITLE FEDP-81 CR #1 ASTRO COMM	9. TEST CODE / 6. PROGRAM NO.	7. REVISION NO. 10 R

8. ITEM NO.	10. TYPE INST	36. STATION OR LOCATION	NET TITLE OR NUMBER	A	11 IC-A (UMB A)	12 IC-B (UMB B)	13 A/G #1	14 A/G #2	15 UHF	16 OIS Ch. 214	17 OIS Ch. 215	18 OIS Ch. 212	19 OIS Ch. 213	20 OIS Ch. 211	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
				B	A	A	A	A	A	A	A	A	A	A															
	51	CR #1 CONS AB-7		B	9	10	11	12	13																				
	51	CR #1 CONS AB-4		B	14	15	16	17	18																				
	51	CR #1 CONS AB-5		B	6	7	8	9	10																				
	51	CR #1 CONS AC-4		B	5	6	7	8	9																				
	51	CR #1 CONS AB-8		B			5	6	7																				
		CR #1 CONS AB-4 (ASTROCOMM PANEL)		A	X	X	X	X	X																				
	NA	MILA					X	X	X																				
	NA	CDSC RECORDERS			M	M	M	M	M																				
	NA	LINE ACCESS PANEL (LCC 1P1)		A	X	X	X	X	X	X	X	X	X	X															
	NA	OPF		C	X	X																							
	NA	PAD		C	X	X																							

37 REFERENCE NOTES

(A) The five astrocomm ckts., (IC-A, IC-B, A/G-1, A/G-2 & UHF) can be connected to OIS channels via pushbuttons on the astrocomm panel in console AB-4, normally, if such an interconnect is required, Ch. 214 would be used with IC-A, Ch. 215 with IC-B, Ch. 212 with A/G-1, Ch. 213 with A/G-2, and Ch. 211 with UHF. However, capability exists to interface the five astrocomm ckts. with any OIS channels appearing in the line access panel. Circuits can be interconnected either T/R or monitor only.

(B) Numbers in Matrix indicate audio button assignments on the type 51 OIS units.

(C) Patched to Pad A or OPF as applicable.

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1. CLASSIFICATION

1. CLASSIFICATION K-SM-10.2.81

(PAGE TITLE)

SECTION B-3 SPECIAL AUDIO

2. REPLACES PAGE (S) B-3-6 DATED 2-7-79

3. PAGE NO. B-3-6

4. DATE 8-1-80

7. REVISION NO. 8

5. PROGRAM TITLE FEDP-81 CR#2 ASTROCOMM SYSTEM

9. TEST CODE

6. PROGRAM NO.

8. ITEM NO.	10. TYPE INST	NET TITLE OR NUMBER		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
			A	IC-A (UMB A; BACKUP	IC-B (UMB B) BACKUP	A/G #1 BACKUP	A/G #2 BACKUP	UHF BACKUP	OIS CH. 224	OIS CH. 225	OIS CH. 222	OIS CH. 223	OIS CH. 221															
			B	A	A	A	A	A	A	A	A	A	A															
		36. STATION OR LOCATION	A																									
	51	CR #2 Cons AB-4	B	14	15	16	17	18																				
	51	CR #2 Cons AB-5	B	6	7	8	9	10																				
	51	CR #2 Cons AC-4	B	5	6	7	8	9																				
		CR #2 Cons AB-4 (Astrocom Pnl)	A	X	X	X	X	X																				
	NA	MILA				X	X	X																				
	NA	CDSC Recorders		M	M	M	M	M																				
	NA	Line Access Panel (LCC 1P1)	A	X	X	X	X	X	X	X	X	X	X															
	NA	OPF	C	X	X																							
	NA	Pad A	C	X	X																							

37 REFERENCE NOTES

(A) The five astrocomm ckts. (IC-A, IC-B, A/G -1, A/G-2 & UHF) can be connected to OIS channels via pushbuttons on the Astrocomm Panel in console AB-4 normally, if such an interconnect is required, CH. 224 would be used with IC-A, CH. 225 with IC-B, CH. 222 with A/G-1, CH. 223 with A/G-2, and CH. 221 with UHF, however capability exists to interface the five astrocomm ckts. with any OIS channels appearing on the line access panel, circuits can be interconnected either T/R or monitor only.

(B) Numbers in Matrix indicates audio button assignments on the type 51 OIS unit.

(C) Patched to Pad A or OPF, as applicable

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JULY 70

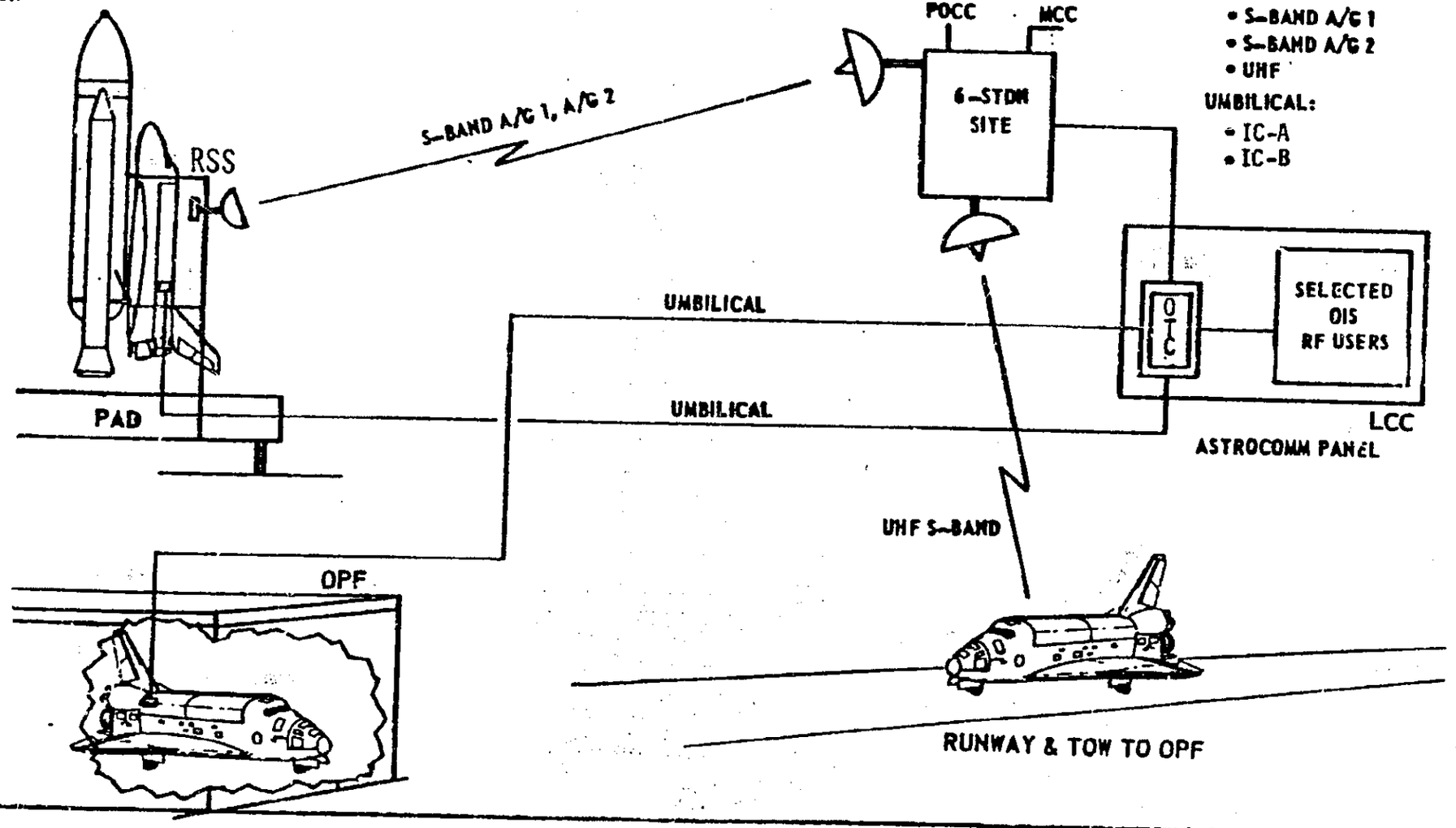
1. CLASSIFICATION _____

1. CLASSIFICATION K-SM-10.2.81

(PAGE TITLE)	2. REPLACES PAGE (S)	3. PAGE NO.
SECTION B-3 - SPECIAL AUDIO	B-3-7	B-3-7
	DATED 2-7-79	4. DATE 8-1-80
5. PROGRAM TITLE FEDP 81	6. PROGRAM NO.	7. REVISION NO. 8
10. LOCATION		

8. ITEM NO.	9. TEST CODE	11.

ASTROCOMM CONFIGURATION FOR SHUTTLE



UDS FORM 5 G/A
JULY 70

1. CLASSIFICATION _____

1. CLASSIFICATION _____

(PAGE TITLE) SECTION B-3 SPECIAL AUDIO	2. REPLACES PAGE (S) B-3-8 DATED 8/1/80	3. PAGE NO. B-3-8
		4. DATE 6/1/81
5. PROGRAM TITLE FEDP-81	6. PROGRAM NO.	7. REVISION NO. 10
8. TEST CODE		

8. ITEM NO.	10. TYPE INST	NET TITLE OR NUMBER	A	11 Point-to-Point Telephone System	12 a. DLSU (ckt equip)	13 b. KTU (ckt equip)	14 c. 7300 Rptrs.	15 d. Subcycle Ringer	16	17 -48 VDC Pwr. Sys.	18 Warren a. 48TFR50T Chgr.	19 Flotrol b. M30F50 Chgr.	20 Flotrol c. 200 Amp Chgr.	21 d. WECO 111-A Chgr.	22 Warren TFR e. 6511S End Cell Chgr.	23	24 Voice, Freq. Ckt. Dist. Sys.	25 a. Bridge Type TBD	26 b. 2W/8W Bridge	27 c. 2W/10W Bridge	28 d. 4W/4W Bridge	29 e. 4W/6W Bridge	30	31 Test Board CL614	32	33 Lenkurt 46A Carrier Sys.	34	35 Astro-Comm Sys.	37 REFERENCE NOTES
		36. STATION OR LOCATION	B																										
			A																										
		Launch Control Center		-	249	104	99	2		-	4	X	X	X	2		-	-	4	38	18	223		X		1		1	
		Comm Distribution & Switching Center		-	219	78	99	3		-	X	X	1	5	X		-	-	19	X	X	217		1		1		X	
		O&C Bldg.		-	35	65	X	2		-	2	1	X	X	1		-	-	2	X	X	78		X		X		X	
		PAD A		-	10	X	X	1		-	2	X	X	X	1		-	-	X	X	X	X		X		X		X	
		VAB Repeater		-	X	X	8	X		-	2	X	X	X	1		-	-	6	X	X	61		X		1		X	
		Banana River Repeater		-	40	X	X	1		-	2	X	X	X	1		-	-	X	X	X	X		X		X		X	
		PAD B		-	10	X	X	1		-	2	X	X	X	1		-	-	X	X	X	X		X		X		X	
		CIF		-	24	91	X	1		-	X	1	X	X	X		-	-	X	X	X	X		X		X		X	
		Press Site		-	5	7	X	1		-	X	X	X	X	X		-	-	X	X	X	X		X		X		X	
		SLF		-	X	X	X	X		-	X	X	X	X	X		-	-	X	X	X	12		X		X		X	
		HMF		-	X	X	X	X		-	X	X	X	X	X		-	-	X	X	X	14		X		X		X	
		Location TBD																20											

R

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1. CLASSIFICATION _____

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-3 SPECIAL AUDIO		2. REPLACES PAGE (S)B-3-9 DATED 6-25-79	3. PAGE NO. B-3-9
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8 R
10. LOCATION			

8. ITEM NO.	11. A KSC wide battery charger alarm system will be installed to provide status/alarm of communication systems using battery back-up capability such as OIS & Point To Point.

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-4		2. REPLACES PAGE (S) DATED	3. PAGE NO. B-4-1 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11.
	RF COMMUNICATIONS

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-4 RF COMMUNICATIONS		2. REPLACES PAGE (S) B-4-2 DATED 1-11-80	3. PAGE NO. B-4-2
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION			

8. ITEM NO.

11.

RF NET BASELINE

USER	NET	FUNCTION	PAGE	
TG	101	UTILITIES (171.000)	B-4-6	
TG	201	GENERAL MAINT. (171.150)	B-4-6	
TI	102	TELEMETRICS/EMI (165.1875)	B-4-11	
DL/TI	202	MSBLS TEST OPS	B-4-23	R
SF	103	SECURITY (173.6875)	B-4-7	
	103 BACK-UP	SECURITY ( )	B-4-6.1	R
SF	203	SECURITY TAC (173.175)	B-4-7	
TG	104	LAUNCH SUPPORT OPS (162.6125)	B-4-8	
SF	105	SAFETY (173.6625)	B-4-8	
	105 BACK-UP	SAFETY ( )	B-4-8.1	R
AP	106	GSA SUPPLY (170.400)	B-4-9	
AP	206	RAIL/TRUCKING OPS (170.175)	B-4-9	
TI	107	BASE COMM. (170.150)	B-4-10	
PAO,TS,AP	108	PUBLIC AFFAIRS/HURRICANE/PAGING (170.350)	B-4-11	
ALL	111	MULTI USER INSTITUTIONAL NET (173.5375)	B-4-19	
TG/VT	112	SRB RECOVERY/AF CRANE OPS (148.455)	B-4-12	

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-4 RF COMMUNICATIONS		2. REPLACES PAGE (S) B-4-3 DATED 6-25-79	3. PAGE NO. B-4-3
			4. DATE
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION			

8. ITEM NO.	11.			
	USER	NET	FUNCTION	PAGE
	TG	113	SRB RCVRY/AF CRANE OPS (149.175)	B-4-12
	SF	116	FIRE/RESCUE (173.5625)	B-4-13
		116 BACK-UP	FIRE/RESCUE ( )	B-4-6.1 R
	SF	216	FIRE TAC (173.7875)	B-4-13
	MD	117	MEDICAL (173.4375)	B-4-14
	AP	306	MARINE OPS (162.0125)	B-4-14
	SF	316	INTERCITY FIRE DEPT. (154.160)	B-4-17
	SF	303	INTERCITY POLICE DEPT. (155.370)	B-4-17
	TO	203	CIVIL DEFENSE (TX 158.94 RX 155.715)	B-4-19
	SF	ETR NET B	PAA SRO (163.5125)	B-4-18
	SF	ETR NET F	PAA FIRE (163.5625)	B-4-18
	SF	ETR NET D	SECURITY GUARDS (163.4625)	B-4-18
	TI	ETR FCA RADIO	FCA/EML OPERATIONS (165.1125)	B-4-19
	TG	-	HF SRB RECOVERY OPS (ETR TBD)	B-4-12
	TG	-	O&C CRANE OPS, NET A (142.5)	B-4-10
	SF	-	COAST GUARD (157.100)	B-4-19 R

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-4 RF COMMUNICATIONS		2. REPLACES PAGE (S) B-4-4 DATED 8-1-80	3. PAGE NO. B-4-4
			4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION			

8. ITEM NO.	11. USER	NET	FUNCTION	PAGE	
	TG	-	O&C CRANE OPS, NET B (142.860)	B-4-10	
	TG	-	OPERATIONAL LOAN POOL, NET D (139.300)	B-4-10	
	TG	-	O&C CRANE OPS, NET C (143.040)	B-4-10	
	TG	-	OPERATIONAL LOAN POOL, NET E (139.900)	B-4-10	
	TS	-	UHF OLF CONT. (284.0)	B-4-15	
	TS	-	VHF OLF CONT. (126.3)	B-4-15	
	TS	-	VHF OLF GROUND (121.75)	B-4-22	
	VO/TS	-	UHF OLF EMERGENCY (243.0) (ALSO ORBITER EMERGENCY)	B-4-16	
	VO	-	UHF ORBITER (259.7)	B-4-22	
	TS	-	VHF OLF EMERGENCY (121.5)	B-4-16	
	VO	-	UHF ORBITER (296.8)	B-4-22	
	VO/TS	LC-39 UHF #1	LC-39 OPERATINAL POOL/CONVOY COMMAND NET (407.325)	B-4-21	
	VO/TS	LC-39 UHF #2	LC-39 OPERATIONS POOL (407.475) CRANE	B-4-21	
	VO/TS	LC-39 UHF #3	LC-39 OPERATIONS POOL/CONVOY PURGE (PV&D) NET (408.15)	B-4-21	
	VO/TS	LC-39 UHF #4	LC-39 OPERATIONS POOL (408.175) CRANE	B-4-21	
	VO/TS	LC-39 UHF #5	LC-39 OPERATIONS POOL (408.8)	B-4-21	
	VO/TS	LC-39 UHF #6	LC-39 OPERATIONS POOL (409.05) CRANE	B-4-21	
	VO, TS	LC-39 UHF #7	LC-39 OPERATIONS POOL (409.125)	B-4-21	
	VO/TS	LC-39 UHF #8	LC-39 OPERATIONS POOL/CONVOY COOLING (ECLSS) NET (409.175)	B-4-21	
		308	PAGING	B-4-23	R
		UHF #1-#6	INDUSTRIAL AREA LOAN POOL	C-4-2.1	R

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-4 RF COMMUNICATIONS		2. REPLACES PAGE (S)	3. PAGE NO. B-4-5
		DATED	4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11.		
	USER	NET	FUNCTIONAL
	TG	Crawler Transporter OIS	Crawler Moves (939.0)
	TG	Crawler Transporter OIS	Crawler Moves (916.0)
	TG	Crawler Transporter OIS	Crawler Moves (929.0)

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JULY 70

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-4 **VOICE RADIO**		2. REPLACES PAGE (S) B-4-6 DATED 6-1-81	3. PAGE NO. B-4-6 4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11 R
10. LOCATION			

8. ITEM NO.

11.

Radio Net - 101 (Utilities)
Frequency = 171.000

# Of Single Frequency Portable	18	R
# Of Single Frequency Mobiles	18	
# Of Two Frequency Portable (101/201)	5	
# Of Two Frequency Mobiles (101/201)	2	
# Of Base Stations	1	
# Of Remote Units	14	

Location of Remote Units
(a) Base OPS (M6-486) Rm 132
(b) K6-1446 Rm 104
(c) LCC, 1P9 Duty Officer-A-13 Remote Panel
(d) Master Console #0323A3
(e) Pneumatics Consoles #0322A1 & A3 (2)
(f) HVAC Consoles #0324A1 & A3 (2)
(g) Power Consoles A3
(h) Integration Console #0341A3
(i) O&C 4286
(j) K6-1195
(k) K6-947

Of Console Terminations 4

Location of Console Terminations
(a) LCC 1P9-Integration Console A2
(b) LCC 1P9 - Console A15
(c) LCC 1P9 - Console A17
(d) LCC 1P9 - Console A18 (MON ONLY)

Radio Net - 201 (General Maint.)
Frequency = 171.150

# Of Single Frequency Portable	48	R
# Of Single Frequency Mobiles	16	
# Of Two Frequency (See Net 101)		
# Of Two Frequency Mobiles (See Net 101)		
# Of Base Station	1	
# Of Remote Units	8	

Location of Remote Units
(a) Base OPS (M6-486) Rm 132
(b) Generator Shop (M6-486) Rm 220
(c) LCC, 1P9 Duty Officer, A-13 Remote Panel
(d) Hurricane Control Center (O&C 4286)
(e) Integration Console #0341A3
(f) Bldg K7-563
(g) Bldg K6-2196
(h) Bldg K6-1896

Of Console Terminations 5

Location of Console Terminations
(a) LCC 1P9-Integration Console A2
(b) LCC 1P9 - Console A15
(c) LCC 1P9 - Console A17
(d) LCC 1P9 - Console A18 (MON ONLY)
(e) FR-1 & FR-2 (AB-2) & CCC (A17)

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-4 **VOICE RADIO**	2. REPLACES PAGE (S)B-4-6.1 DATED 8-1-80	3. PAGE NO. B-4-6.1
		4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81 / 9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION		

8. ITEM NO.	11.

Radio Net - 103 Back-Up (Security)
Frequency = 173.6875

# Of Single Frequency Portable	0
# Of Single Frequency Mobiles	0
# Of Two Frequency Portables	0
# Of Two Frequency Mobiles	0
# Of Base Stations	1
# Of Remote Units	0
Location of Remote Units	N/A

Of Console Terminations 5

Locations of Console Terminations
(a) LCC 1P10 - Radio Console
(b) LCC 1P10 - Cons. 0783 (Safety)
(c) LCC 1P10 - Cons. 0784 (Safety)
(d) LCC 1P10 - Cons. 0785 (Security)
(e) LCC 1P10 - Cons. 0786 (Security)

Radio Net - 116 Back-Up (Fire/Rescue)
Frequency = 173.5625

# Of Single Frequency Portable	0
# Of Single Frequency Mobiles	0
# Of Two Frequency Portables	0
# Of Two Frequency Mobiles	0
# Of Base Stations	1
# Of Remote Units	0
Location of Remote Units	N/A

Of Console Terminations 4

Locations of Console Terminations
(a) LCC 1P10 - Radio Console
(b) LCC 1P10 - Cons. 0775 (Fire A)
(c) LCC 1P10 - Cons. (Fire C)
(d) LCC 1P10 - Cons. 0783 (Safety)

R

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-4 VOICE RADIO		2. REPLACES PAGE (S) B-4-7 DATED 6-25-79	3. PAGE NO. B-4-7
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8 R
10. LOCATION			

8. ITEM NO.

11.

Radio Net - 103 (Security)
Frequency = 173.6875

# Of Single Frequency Portable	35	
# Of Single Frequency Mobiles	22	
# Of Two Frequency Portables (103/203)		35
# Of Two Frequency Mobiles (103/203)		35
# Of Base Stations *	1	
# Of Remote Units	6	

Location of Remote Units
(a) KSC HQ Room 1147N (Spkr Mon)
(b) KSC HQ Room 1147H
(c) HMF Safety (M7-1061)
(d) KSC Patrol Hdqtrs. (K6-1146) Rms 103,108 & 108B (3)
(e) Hurricane Control - O&C 4286 R
(f) KSC HQ Rm 1147Q (Spkr Mon)

Of Console Terminations 7

Location of Console Terminations
(a) LCC 1P10, Security Console
(b) LCC 1P10, Security Cons.
(c) CR 1 & 2, Console AC-1 (Safety)
(d) CR 1 & 2, Console AC-2 (Security)
(e) LCC 1P10, Radio Console

Radio Net - 203 (Security Tac)
Frequency = 173.175

# Of Single Frequency Portable	0
# Of Single Frequency Mobiles	0
# Of Two Frequency Portable (See Net 103)	
# Of Two Frequency Mobiles (See Net 103)	
# Of Base Stations	1
# Of Remote Units	3

Location of Remote Units
(a) KSC HQ Room 1147H
(b) KSC Patrol Hdqtrs. (K6-1146) Rm 108 & 108B (2)
(c) KSC HQ Rm 1147N (Spkr Mon)
(d) KSC HQ Rm 1147Q (Spkr Mon)

Of Console Terminations 9

Location of Console Terminations
(a) LCC 1P10, Radio Console
(b) LCC 1P10, Security Console
(c) LCC 1P10, Security Console
(d) LCC 1P10, Safety Console
(e) LCC 1P10, Safety Console
(f) CR 1 & 2, Console AC-1 (Safety)
(g) CR 1 & 2, Console AC-2 (Security)

* In addition, a backup transceiver is provided for contingency purposes. (See page B-4-6.1)

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-4 **VOICE RADIO**		2. REPLACES PAGE (S) B-4-8 DATED 6-1-81	3. PAGE NO. B-4-8
			4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION			

8. ITEM NO.

11.

Radio Net - 105 (Safety)
Frequency = 173.6625

# Of Single Frequency Portables	
# Of Single Frequency Mobiles	
# Of Two Frequency Portables (105/216)	23
# Of Two Frequency Mobiles (105/216)	4 (Security Convoy & Astro Transfer Van)
# Of Base Station*	1
# Of Remote Units	11

Location of Remote Units
(a) KSC HQ Room 1147H
(b) HMF Safety (M7-1061)
(c) Pad A, Safety (Rm 111)
(d) Pad B, Safety
(e) LCC Safety Office (1R18)
(f) KSC Patrol HQ (K6-1146) Rm 108B
(g) Hurricane Control - O&C 4286
(h) LCC 1R28
(i) OHF
(j) KSC HQ Rm 1147Q (Spkr Mon)
(k) OPF Annex, Rm 210A

Of Console Terminations 31
Location of Console Terminations
(a) LCC 1P10, Safety
(b) LCC 1P10, Security
(c) LCC 1P10, Radio Cons.
(d) LCC 1P10, Fire A & B Cons.
(e) CR 1 & 2, Cons. AC-1 (Safety)
(f) CR 1 & 2, Cons. AC-2 (Security)

* In addition a backup is provided for contingencies (See Page B-4-8.1)

Radio Net -104 (Launch Support OPS)
Frequency = 162.6125

# Of Single Frequency Portables	48
# Of Single Frequency Mobiles	35
# Of Two Frequency Portables	0
# Of Two Frequency Mobiles	0
# Of Base Stations	1
# Of Remote Units	17

R

Location of Remote Units
(a) PTCR A Rm 220
(b) Pad A, Room 202
(c) Pad B, Room 202
(d) K7-516 (Rm 106)
(e) LCC 1P9, Duty Officer, A-13 Remote Panel
(f) K6-1996 (Heavy Equip)
(g) Master Console #0323A3
(h) Pheumatics Consoles #0322A1 & A3 (2)
(i) HVAC Consoles #0324A1 & A3 (2)
(j) Power Console #0333A3, A1
(k) Integraton Console #0341A3
(l) M6-486 Rm 132
(m) K7-416 Rm 101A
(n) Bldg 1047 CCAFS
(o) K6-9 & 7 (Utility Annex)

Of Console Terminations 4
Location of Console Terminations
(a) LCC 1P9, Integration Console (51 Unit)
(b) LCC 1P9, Cons. A15
(c) LCC 1P9, Cons. A17
(d) LCC 1P9, Cons. A18 (MON ONLY)
(e) LCC CR-1 & CR-2 (AB-2), & CCC (A17)
(f) LCC CR1, AA-2

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-4 **VOICE RADIO**		2. REPLACES PAGE (S)B-4-8.1 DATED 8-1-80	3. PAGE NO. B-4-8.1
			4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION			

8. ITEM NO.

11.

Radio Net 105 Cont.

(h) CR 1 & 2, Cons. AB-6
(i) CR 1 & 2, Cons. AB-2
(j) SLF, UTC's 1 & 2
(k) LCC 1P1, Cons #1 (Mon)
(l) CR 1 & 2, Cons. AC-4
(m) CR 1 & 2, Cons. AB-8
(n) CR 1 & 2, Cons. AA-2 (Mon)
(o) CR 1 & 2, Cons. AA-3 (Mon)
(p) CR 1 & 2, Cons. AA-4 (Mon)
(q) CCAFS, RCC (DDMS)
(r) PAD A BOX CONS. 411

NOTE: RF COMM ASSEMBLES (CONSISTING OF CABLE HARNESS, CONNECTORS, MICROPHONE AND EPR PLUGS) WILL BE PROVIDED TO ALLOW USE OF THE NET 105/216 PORTABLES WITH ASTRONAUT RESCUE AIR PACKS (ARAPS) AND EMERGENCY EGRESS AIR PACKS (EEAPS). A TOTAL OF FIFTY (50) ASSEMBLIES WILL BE PROVIDED FOR ARAPS AND A TOTAL OF FIFTEEN (15) ASSEMBLIES WILL BE PROVIDED FOR EEAPS.

Radio Net - 105 Back-Up (Safety) R
Frequency = 173.6625

# Of Single Frequency Portables	0
# Of Single Frequency Mobiles	0
# Of Two Frequency Portables	0
# Of Two Frequency Mobiles	0
# Of Three Frequency Portables	0
# Of Base Stations	1
# Of Remote Units	0
Location of Remote Units	N/A R
# Of Console Terminations	5

Location of Console Terminations
(a) LCC 1P10, Radio Console
(b) LCC 1P10, Cons. 0783 (Safety)
(c) LCC 1P10, Cons. 0784 (Safety)
(d) LCC 1P10, Cons. 0785 (Security)
(e) LCC 1P10, Cons. 0786 (Security)

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-4 VOICE RADIO		2. REPLACES PAGE (S) B-4-9 DATED 6-1-81	3. PAGE NO. B-4-9
			4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION			

8. ITEM NO.

11.

Radio Net - 106 (GSA/Supply)
Frequency = 170.400

# Of Single Frequency Portables	8
# Of Single Frequency Mobiles	32
# Of Two Frequency Portables	0
# Of Two Frequency Mobiles	0
# Of Base Stations	1
# Of Remote Units	4

R

Location of Remote Units
(a) Dispatch Office (M6-688) GSA
(b) Central Supply (M6-744)
(c) Hurricane Control - O&C 4286
(d) GSA Maint Office (M6-688, Rm 105)

# Of Console Terminations	0

Radio Net - 206 (Rail/Trucking OPS)
Frequency = 170.175

# Of Single Frequency Portables	40
# Of Single Frequency Mobiles	6
# Of Two Frequency Portables	0
# Of Two Frequency Mobiles	0
# Of Base Stations	1
# Of Remote Units	1
# Of Transceivers	1

R

Location of Remote Units
(a) Dispatch Office (M6-688) GSA
(b) KSC HDQ Rm 2165

R

# Of Console Terminations	0
Location of Console Terminations	N/A

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-4 **VOICE RADIO**		2. REPLACES PAGE (S) B-4-10 DATED 8-1-80	3. PAGE NO. B-4-10 4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10 R
10. LOCATION			

8. ITEM NO.

11.

Radio Net - 107 (Base Comm.)
Frequency = 170.150

# Of Single Frequency Portables	31
# Of Single Frequency Mobiles	21
# Of Two Frequency Portables	0
# Of 12 Frequency Mobiles *	1
# Of Base Stations	1
# Of Remote Units	15

Location of Remote Units
(a) Base Comm. Maint. Bldg (M6-791)
(b) CDSC, Wire Test Board (Rm 119)
(c) CDSC Console 105A1
(d) Cable Engr. Office (M6-589)
(e) CDSC Tech. Control
(f) LCC 1P3 Cons. 816
(g) CDSC Rm 154
(h) CIF Rm 387
(i) CM&S Rm 109A
(j) O&C Rm 4266
(k) LCC 1P2, TVCC #1
(l) CIF 351
(m) Pad A Rm 204
(n) Pad A Rm 205
(o) LCC 1P1 CCR OPS
(p) Press Site
(q) KSCNF Cons 0936 (Video Room) R
(r) KSCNF Rm 109A R
(s) CDSC Rm 133 Cons 104 R

Of Console Terminationas 8

Location of Console Terminations
(a) LCC 1P1, Cons. 1 & 4 (2)
(b) LCC 1P9, Cons A18 (Mon)
(c) LCC 1P2 TVCC #1 & 2 (2)
(d) CDSC Cons. 106A2
(e) CDSC Cons. 101A1
(f) CDSC Cons. 107A2
(g) VAB TTC 16E1 R
(h) CDSC Cons 105A3 R

* Transmit/Receive Net 107
Receive only Nets 116, 216, 103, 203, 105, 117, 201, 101 108, 102, 104

Radio Net - O&C Cranes OPS *Nets A, B, C, D, E R

# Of Single Frequency Portables	0
# Of Single Frequency Mobiles	0
# Of Two Frequency Portables (A/B, A/C, B/C)	16
# Of Two Frequency Mobiles	0
# Of Base Units	0
# Of Console Terminations	0

Location of Console Termination NA

* NOTE: Existing VHF system will be used until Spacelab is operational in the O&C at which time a new UHF industrial area operational pool will be used.

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JULY 70

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-4 VOICE RADIO		2. REPLACES PAGE (S) B-4-11 DATED 6-1-81	3. PAGE NO. B-4-11
			4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION			

8. ITEM NO.

11.

Radio Net - 108 (Public Affairs/Hurricane
Frequency = 163.5375

# Of Single Frequency Portables	8
# Of Single Frequency Mobiles	0
# Of Two Frequency Portables	0
# Of Two Frequency Mobiles	0
# Of Base Stations	1
# Of Remote Units	5

Location of Remote Units
(a) Moved to Net 308
(b) Press Site
(c) KSC HQ Room 1207
(d) Guest Center
(e) Hurricane Control - OSC 4286
(f) KSCNF PIO Bldg
(g) LCC 1p10 Radio Cons R
(h) LCC, 1R18
(i) Pad A OPS Bldg. J8-2009 Rm 114

Of Console Terminations 6

Location of Console Terminations
(a) CR 1 & 2, PAO Console (AA-1)
(b) CDSC Rm 132, 17 Unit
(c) KSC Press Site Audio Control Center (UTC)
(d) Off Site News Center
(e) KSC Press Site, PAO Press Bldg

NOTE: A total of 62 pocket pagers will be provided.

Radio Net - 102 (Telemetrics/EMI)
Frequency = 165.1875

# Of Single Frequency Portables	19
# Of Single Frequency Mobiles	11
# Of Two Frequency Portables	0
# Of Two Frequency Mobiles	0
# Of Base Stations	1
# Of Remote Units	7

Location of Remote Units
(a) LCC Room 2P20
(b) EMC. Office (M6-336) Rm 109
(c) Room 3R3 LCC
(d) M6-336 Rm. 123
(e) Rm 307 CIF
(f) MARGO Site
(g) R
(f) Pad A Room 208

Of Console Terminations 0

Location of Console Terminations N/A

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-4 VOICE RADIO		2. REPLACES PAGE (S) B-4-12 DATED 8-1-80	3. PAGE NO. B-4-12
			4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION			

8. ITEM NO.

11.

112 (SRB Recovery/AF Crane OPS)
Radio Net 113 (SRB Recovery/AF Crane OPS)
Frequency = 148.455 (112); 149.175 (113)

# Of Single Frequency Portable	0	
# Of Single Frequency Mobiles	0	
# Of Two Frequency Portables (112/113)		22
# Of Two Frequency Mobiles (112/113)		2
# Of Base Station **	1	
# Of Remote Units	0	
Location of Remote Units	N/A	
# Of Console Terminations	0	
Location of Console Terminations	N/A	

* Installed in Recovery Vessels
** Base Station installed at Hangar AF, CKAFS.

Radio Net - (HF SRB Recover OPS)
Frequency - 2622, 5810, 7765, 10780, 12277, 13878, 20195, 20390, 16246, & 17554 KHZ. (Freq. used is dependent on climactic conditions) R

# Of Multiple Frequency Mobiles *	2
# Of Single Frequency Mobiles	0
# Of Two Frequency Portables	0
# Of Two Frequency Mobiles	0
# Of Base Stations (Presently Installed, CKAFS)	1
# Of Remote Units	0
Location of Remote Units	N/A
# Of Console Terminations	4

Location of Console Terminations
(a) CR #1, Console AB-8
(b) CR #2, Console AB-5 R
(c) CR #1, Console AC-7 R
(d) 1P1 Console 1 (Mon) R

EACH RETRIEVAL VESSEL IS ALSO PROVIDED WITH A 3500 CHANNEL (SELECTABLE) UHF TRANSCEIVER FOR COMMUNICATIONS WITH MILITARY AIRCRAFT IN SUPPORT OF SEARCH, RESCUE AND MEDICAL EVALUATION.

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-4 VOICE RADIO		2. REPLACES PAGE (S) ADDED DATED 6-1-81	3. PAGE NO. B-4-12.1
			4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION			

8. ITEM NO.

11.

UHF RADIO - - - (SRB Recovery/AF Crane OPS)

Frequencies: Portables Channel 1 412.950 MHZ
Portables Channel 2 413.375 MHZ
Base Station - 413.375 MHZ

# Of Single Frequency Portables	0
# Of Single Frequency Mobiles	0
# Of Two Frequency Portables	24
# Of Two Frequency Mobiles	0
# Of Base Stations **	2
# Of Remote Units	1

Location of Remote Units Room 202A
Hangar AF

Location of Console Terminations N/A

** Installed in Recovery Vessel "Liberty" and in Hangar AF Room 207

UHF RADIO - - - AMBULANCE COMMUNICATION NET (EMS)

Frequency - TBD
MED 5

Channels - MED 1 through MED 8

# Of 8 Channel Mobiles	6
# Of 8 Channel Portables	10
# Of Base Stations	1**

The EMS Net is a Full Duplex Net

*6 each portables repeat through the Mobile back to the Health Facility

**The Base Station Channels are:
MED 8
MED 2
MED 3

R

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-4 **VOICE RADIO**		2. REPLACES PAGE (S) B-4-13 DATED 8-1-80	3. PAGE NO. B-4-13
			4. DATE 6-1-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION			

8. ITEM NO.

11.

Radio Net - 116 (Fire/Rescue)
Frequency = 173.5625

# Of Two Frequency Portables (116/216)	23	
# Of Single Frequency Mobiles	16	
# Of Three Frequency Portables (116/216/105)		17
# Of Two Frequency Portables (105/216)	1	
# Of Three Frequency Mobiles (116/216/105)		39
# Of Three Frequency Mobiles (105/216/116)		3 (M-113's)
# Of Base Stations *	1	
# Of Remote Units	6	

Location of Remote Units
(a) HMF Safety (M7-1061)
(b) Fire Station #1
(c) Fire Station #2
(d) M6-493 Rm 9A
(e) M6-493 Rm 7A
(f) Hurricane Control - O&C 4286

Of Console Terminations 8

Location of Console Terminations
(a) LCC 1P10, Fire A & C Cons.
(b) LCC 1P10, Radio Console
(c) CR 1 & 2, Cons. AC-1 (Safety)
(d) CR 1 & 2, Cons. AC-2 (Security)
(e) LCC 1P10 Radio Console

* In addition, a backup transceiver is provided for contingency purposes. (See Pg. B-4-6.1)

Tone Alert and Remote Panel TX/RX capability at Console 4C LCC/1P10 R

Radio Net - 216 (Fire Tac)
Frequency = 173.7875

# Of Single Frequency Portables	0
# Of Single Frequency Mobiles	0
# Of Two Frequency Portables (See Net 116)	
# Of Two Frequency Mobiles (See Net 116)	
# Of Base Stations	1
# Of Remote Units	2

R

Location of Remote Units
LCC Room 1R28
OHF (M6-495) Room 116

R

Of Console Terminations 27

Location of Console Termination
(a) LCC 1P10, Safety
(b) LCC 1P10, Radio Console
(c) LCC 1P10, Fire A & C Console
(d) CR 1 & 2, Console AC-1 (Safety)
(e) CR 1 & 2, Console AC-2 (Safety)
(f) SLF UTC's 1 & 2 (2)
(g) CR 1/2, AC-4
(h) LCC 1P1, Cons. 1 (Mon)
(i) CR 1/2 AB-6
(j) CR 1/2 AB-8
(k) [redacted]
(l) CR 1/2 AA-2 (Mon)
(m) CR 1/2 AA-3 (Mon)
(n) CR 1/2 AA-4 (Mon)
(o) CCAFS, RCC (DDMS)
(p) Tone Alert and Remote Panel TX/RX capability at Console 4C LCC/1P10

R

R

R

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-4 **VOICE RADIO**		2. REPLACES PAGE (S) B-4-14 DATED 8-1-80	3. PAGE NO. B-4-14
			4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION			

8. ITEM NO.	11.			
	Radio Net - 306 (Marine OPS) Frequency = 162.0125			
	# Of Single Frequency Portables	4		
	# Of Single Frequency Mobiles	0		
	# Of Two Frequency Portables	0		
	# Of Two Frequency Mobiles	0		
	# Of Base Stations	0		
	# Of Remote Units	0		
	Location of Remote Units	N/A		
	# Of Console Terminations	0		
	Location of Console Terminations	N/A		
	Radio Net - 117 (Medical) R Frequency 173.4375 PAA/SRO Freq. 163.5125			
	# Of Single Frequency Portable	8		
	# Of Single Frequency Mobiles	10		
	# Of Two Frequency Portabes	0		
	# Of Three Freqency Portables	1 (117/105/216)		
	# Of Two Frequency Mobiles (117/PAA SRO ETR NET B)		3	
	# Of Base Stations	1		
	# Of Remote Units	4		
	# Of Four Frequency Portables	7 (117/ETR B/105/RAD HAZ)		R
	# Of Four Frequency Portables	8 (117/ETR B/105/216)		R
	Locations of Remote Units (a) CKAFS Medical Facility (Bldg 46935) (b) Occupational Health (M6-495) (c) LCC 1R28 (d) Hurricane Control - O&C 4286 (e) BIOMED OFC - O&C 3004A			R
	# Of Console Terminations	3		
	Location of Console Terminations (a) LCC 1P10, Radio Console (b) CR 1 & 2, Console AC-4 (Biomed)			

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PAGE TITLE: SECTION B-4 **VOICE RADIO**		2. REPLACES PAGE (S) DATED	3. PAGE NO. B-4-15 4. DATE 6-25-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 6
10. LOCATION			

8. ITEM NO.

11.

Radio Net - UHF OLF Control
Frequency = 284.0

# Of Single Frequency Portables	1	
# Of Single Frequency Mobiles	0	
# Of Two Frequency Portables	0	
# Of Multiple Frequency Mobiles	(See Note)	4
# Of Base Stations - LACB	1	
# Of Remote Units	0	
Location of Remote Units	N/A	
# Of Console Terminations	3	

Location of Console Terminations
(a) LACB Observation Tower
(b) LACB Room #5
(c) CDSC Recorder

NOTE: (1) This net can be made available to the lead convoy vehicle if required. These radios are programmable to any of the 3500 UHF frequencies, including 259.7 & 296.8.

Radio Net - VHF OLF Control
Frequency = 126.3

# Of Single Frequency Portables	0	
# Of Single Frequency Mobiles	0	
# Of Two Frequency Portables	(126.3/121.5)	4
# Of Two Frequency Mobiles	(126.3/121.5)	6
# Of Base Stations - LACB	1	
# Of Remote Units	0	
Location of Remote Units	N/A	
# Of Console Terminations	3	

Location of Console Terminations
(a) LACB Observation Tower
(b) LACB Room #5
(c) CDSC Recorder

Radio Net - VHF TV Chase Plane Coord
Of Base Stations - 1 (ETR Provided)

Of Console Terminations - 1
(a) NASA TV producer at KSCNF

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-4 **VOICE RADIO**		2. REPLACES PAGE (S) DATED	3. PAGE NO. B-4-16
			4. DATE 6-25-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 6
10. LOCATION			

8. ITEM NO.	11.

Radio Net - UHF OLF Emergency
Frequency = 243.0

# Of Single Frequency Portable	0	
# Of Single Frequency Mobiles	2	
# Of Two Frequency Portables (PRC-90)	4(243.0/282.8)2	R
# Of Multiple Frequency Mobiles (See Note)	5	R
# Of Base Stations - LACB	1	
# Of Remote Units	0	
Location of Remote Units	N/A	
# Of Console Terminations	4	

Location of Console Terminations
(a) LACB Observation Tower
(b) LACB Room #5
(c) LCC Room 1P10, Radio Cons. (RX Only)
(d) CDSC Recorder

Radio Net - VHF OLF Emergency
Frequency = 121.5

# Of Single Frequency Portable	0	
# Of Single Frequency Mobiles	2	
# Of Two Frequency Portables (126.3/121.5)	4	R
# Of Two Frequency Mobiles (126.3/121/5)	6	R
# Of Base Stations - LACB	1	
# Of Remote Units	0	
Location of Remote Units	N/A	
# Of Console Terminations	4	

Location of Console Terminations
(a) LACB Observation Tower
(b) LACB Room #5
(c) LCC Room 1P10, Radio Cons. (RX Only)
(d) CDSC Recorder

NOTE: (1) This net can be made available to the lead convoy vehicle if required. These radios are programmable to any of the 3500 UHF frequencies, including 259.7 & 296.8.

(2) Provided by DOD Loan Pool. R

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-4 **VOICE RADIO**		2. REPLACES PAGE (S) B-4-17 DATED 8-1-80	3. PAGE NO. B-4-17
			4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION			

8. ITEM NO.

11.

Radio Net - Intercity Fire Dept., Net 316
Frequency = 154.160

# Of Single Frequency Portables	0
# Of Single Frequency Mobiles	2
# Of Two Frequency Portables	0
# Of Two Frequency Mobiles	0
# Of Base Stations, Margo Site	1
# Of Remote Units	0
Location of Remote Units	N/A
# Of Console Terminations	4

Location of Console Terminations
(a) LCC 1P10 Cons. (Fire C)
(b) LCC 1P10 Cons. 0783 (Safety)
(c) LCC 1P10 Cons. 0784 (Safety)
(d) LCC 1P10 Radio Console
(e) LCC 1P10 Cons 0775 (Fire A)

Radio Net - Intercity Police Dept. Net 303
Frequency = 155.370

# Of Single Frequency Portables	0
# Of Single Frequency Mobiles	1
# Of Two Frequency Portables	0
# Of Two Frequency Mobiles	0
# Of Base Stations, Margo Site	1
# Of Remote Units	0
Location of Remote Units	N/A
# Of Console Terminations	5

Location of Console Terminations
(a) LCC 1P10 Cons. 0783 (Safety) R
(b) LCC 1P10 Cons. 0784 (Safety)
(c) LCC 1P10 Cons. 0785 (Security)
(d) LCC 1P10 Cons. 0786 (Security)
(e) LCC 1P10 Radio Console R

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-4 VOICE RADIO		2. REPLACES PAGE (S) B-4-18 DATED 1-11-80	3. PAGE NO. B-4-18 R
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION			

8. ITEM NO.	11.

ETR Net B (PAA SRO)
Radio Net ETR Net F (PAA Fire)
Frequency = 163.5125 (Net B); 163.5625 (Net F)

# Of Single Frequency Portable	0
# Of Single Frequency Mobiles	0
# Of Two Frequency Portables (SRO/Fire)	2
# Of Two Frequency Mobiles	0
# Of Base Stations (Located at CKAFS)	
# Of Remote Units	2
Location of Remote Units	N/A
# Of Console Terminations	0
Location of Console Terminations	N/A

ETR NET B

Remote Units
(a) O&C Hurricane Control Ctr
(b) OHF

ETR Net B (PAA SRO)
Radio Net ETR Net D (Security Guards)
Frequency = 163.5125 (Net B); 163.4625 (Net D)

# Of Single Frequency Portable	0
# Of Single Frequency Mobiles	0
# Of Two Frequency Portables (SRO/Security)	2
# Of Two Frequency Mobiles	0
# Of Base Stations (Located at CKAFS)	
# Of Remote Units	1
Location of Remote Units	N/A
# Of Console Terminations	0
Location of Console Terminations	N/A

ETR NET D

Remote Units
(a) KSC HQ Rm 1147Q

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-4 VOICE RADIO		2. REPLACES PAGE (S) B-4-19 DATED 6-1-81	3. PAGE NO. B-4-19
			4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION			

8. ITEM NO.	11.

Radio Net - Civil Defense, Net 208
Frequency - TX 158.94, RX 155.715

Of Base Stations, MARGO Site 1
Of Remote Units 1

Location of Remote Units
(a) Room 4286, O&C

Of Console Terminations N/A

Radio Net - Coast Guard Net # 403
Frequency - 157.100

Of Base Station (MARGO Site) 1
Of Remote Units 1

Location of Remote Units
(a) KSC HQ Rm 1147Q

Radio Net - Multiuser Institutional Net 111
Frequency - 173.5375
Single Frequency Portables 33 R

ETR FCA Net
Frequency - 165.1125

Of Single Frequency Portable 3
Of Single Frequency Mobiles 2
Of Two Frequency Portable 0
Of Two Frequency Mobiles 0
Of Base Stations (Located at CCAFS) 1
*# Of Remote Units TBD

*Location of Remote Units TBD

Of Console Terminations 0

Location of Console Terminations N/A

* Capability to communicate from Bldg. M6-336 to Portables & Mobiles required

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-4 VOICE RADIO		2. REPLACES PAGE (S)	3. PAGE NO. B-4-20
		DATED	4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11.

The Mobile Base Vehicle will have the capability of operating on the following radio nets:

(a) Net 101 (Utilities)
(b) Net 103 (Security)
(c) Net 203 (Security/Tac)
(d) Net 105 (Safety)
(e) Net 116 (Fire Rescue)
(f) Net 216 (Fire Tac)
(g) Net 117 (Medical)
(h) Net 316 Intercity Fire Dept.
(i) Net 303 Intercity Police Dept.
(j) Commercial Aircraft A/G (126.3 VHF)
(k) Military Aircraft A/G (284.0 UHF)

(l) Audio Recorder to Record RF Nets
(m) VHF OLF Emergency (121.5)
(n) VHF OLF Ground Control (121.75)
(o) UHF OLF Emergency (243.0)
(p) UHF Orbiter (259.7)
(q) UHF Orbiter (296.8)
(r) UHF OLF Control (284.0)
(s) VHF OLF Control (126.3)

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: GROUND COMMUNICATIONS - VOICE RADIO		2. REPLACES PAGE (S) B-4-21 DATED 6-1-81	3. PAGE NO. B-4-21 R
			4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION			

8. ITEM NO.

11.

LC-39 Operational UHF Radio Pool (19 Each 8 Channel Portable Units) Note 2
(42 Each 5 Channel Portable Units) Note 2 R

CH#/FREQUENCY	TITLE	CONSOLE TERMINATIONS
LC-39 UHF #1 407.325 (See Note 1)	LC-39 OPERATIONS POOL/CONVOY COMMAND NET	CR 1&2 Cons. AB-5, AB-6, AB-8 & LCC 1P1 Cons. #1 (Mon), OSR Cons, AB-2, AA-2 & A17 Cons. CR1 & 2.
LC-39 UHF #2 407.475	LC-39 OPERATIONS POOL	
LC-39 UHF #3 408.15 (See Note 1)	LC-39 OPERATIONS POOL/PURGE (PV&D) NET	CR 1&2 Cons. AB-8 (When Required). Mid-field Park Site, TTC 17G4, 17G9, Cons AB-3, AB-8 CR1 & 2.
LC-39 UHF #4 408.175	LC-39 OPERATIONS POOL	
LC-39 UHF #5 408.8	LC-39 OPERATIONS POOL	
LC-39 UHF #6 409.05	LC-39 OPERATIONS POOL	
LC-39 UHF #7 409.125	LC-39 OPERATIONS POOL	
LC-39 UHF #8 409.175 (See Note 1)	LC-39 OPERATIONS POOL/COOLING ECLSS) NET	CR 1&2 Cons. BC-14 & AB-8 and LCC 1P1 Cons. #1 (Mon) (When Required). Mid-field Park Site, TTC 17G4 & 17G9 Cons AB-3, AB-8 CR1 & 2.

NOTE: (1) Channels 1, 3 & 8 are assigned to specific functions only during periods of orbiter launch or landing activities. They may be assigned to other functions during any other periods. These 3 nets have base stations. When required Net 8 interfaces with RF-OIS channel 143 & Net 3 interfaces with RF-OIS channel 242. Both nets 3 & 8 are provided to remote units in SLF Scape Trailer. Nets 3 and 8 are provided to Mid-field Park Site, TTC 17G4 & 17G9 to Support the SCAPE Vans.

(2) Channels 2, 4 & 6 are dedicated to LC-39 crane operations. The 5 channel radios do not include these 3 channels.

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: GROUND COMMUNICATIONS - VOICE RADIO		2. REPLACES PAGE (S)B-4-21.1 DATED 6-1-81	3. PAGE NO. B-4-21.1
			4. DATE 12-1-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION			

8. ITEM NO.

11. SLF/LC-39 UHF OPERATIONAL RADIO POOL (PORTABLE UNITS) DDT&E PHASE (SHUTTLE FLIGHTS 1-4)

	Operational Function	User	Individual Portable Radio Requirement
SLF	Orbiter Landing, Convoy/Cooling/Purge	RI/VT	42
	Air Force T&E (Mon only)	USAF	2
LC-39	OPF Cranes:		
	HB-1 Cranes (2)	BSI	14
	HB-2 Cranes (2)	BSI	14
	VAB Cranes:		
	HB-1/2 250 Ton	BSI	7
	HB-3/4 250 Ton	BSI	7
	Transfer Aisle 175 Ton	BSI	7
	HB-2 100 Ton	BSI	6
	HB-4 100 Ton	BSI	6
	HB-1 2-1/2 Ton #1	BSI	4
	HB-1 2-1/2 Ton #2	BSI	4
	HB-2 2-1/2 Ton #1	BSI	4
	HB-2 2-1/2 Ton #2	BSI	4
	HB-3 2-1/2 Ton #1	BSI	4
	HB-3 2-1/2 Ton #2	BSI	4
	HB-4 2-1/2 Ton #1	BSI	4
	HB-4 2-1/2 Ton #2	BSI	4
	VAB Platform Operations	BSI	5
	Air Force T&E (Mon only)	USAF	2
	PAD A Hammerhead Crane	BSI	4
	PAD B Hammerhead Crane	BSI	4
	C/T #1 Observers & Cab	BSI	18
	C/T #2 Observers & Cab	BSI	18
	ET Transfer from turn Basin	MMC	8
	ET Hoisting Preps	MMC	4
	SRB/SRM Segment Stacking	USBI	8
OFFSITE	MSFC OV-101 Mate/Demate	RI/VT	30
	Contingency Landing Sites Orbiter Removal Operations	RI/VT	30

R

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: GROUND COMMUNICATIONS - VOICE RADIO		2. REPLACES PAGE (S) B-4-22 DATED 2-7-79	3. PAGE NO. B-4-22
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION			

8. ITEM NO.	11.
	SLF Radio Nets R During Normal day-to-day operations SLF frequencies 284.0 and 126.3 are used for general air traffic. R Ground control is on 121.75. During shuttle landing operations additional frequencies serve the function of orbiter UHF (259.7 and 296.8) and orbiter emergency A/G (243.0). These three frequencies are available if requested in proper documents to console users of astrocomm circuits via the MILA USB I/F and to the lead convoy and fire/ rescue vehicle via mobile transceivers.

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: GROUND COMMUNICATIONS - VOICE RADIO		2. REPLACES PAGE (S) B-4-23 DATED 8-1-80	3. PAGE NO. B-4-23
			4. DATE 6-01-81 R
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION			

8. ITEM NO.

11.

Radio Net - 202 (MSBLS Test OPS)
Frequency - 165.6125

# Of Single Frequency Port * -	13	
# Of Two Frequency Port *	4	(Net 202/SLS-A)
# Of Base Stations	1	
# Of Remote Units	2	

Location of Remote Units
(a) MSBLS Console LACB
(b) LACB Rm #10 R
(c) LACB Rm #5 R

Radio Net - 308 (RADIO PAGING) R
Frequency - 170.350

Of Pocket Paging Units - 170

Remote Terminations
CDSC Rm 116 (MANUAL TERMINAL)
M6-971 (AUTOMATAIC TERMINAL)

* These Units support operations at KSC, DFRC, WSMR & VAFB

1. CLASSIFICATION K-SM-10.2.81

(PAGE TITLE)
EGRESS ESCAPE AND RESCUE OPERATIONS
RADIO NET REQUIREMENTS

2. REPLACES PAGE (S) B-4-24
DATED 1-11-80

3. PAGE NO. B-4-24

4. DATE 8-1-80

5. PROGRAM TITLE FEDP 81

6. PROGRAM NO.

7. REVISION NO. 8

9. TEST CODE

8. ITEM NO.	10. TYPE INST	NET TITLE OR NUMBER		11 EGRESS NET (105)	12 EGRESS B/U (216)	13 FIRE NET 116	14 MEDICAL NET 117	15 SECURITY NET 103	16 SECURITY NET 203	17	18	19 ORBITER 282.8	20 EMERGENCY 245.0	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
			A																								
			B									1	1														
		36. STATION OR LOCATION	A																								
		M-113 #1, 2 & 3		M	M	M																						
		M-113 Crew Leader		P	P																							
		Close Out Crew (5)		P	P								P															
		Ambulance #1, 2 & 3		M	M		M																					
		HELO #1 & 2	1									M	M															
		Parachure Jumpers (2)	1									P	P															
		HC-130 A/C	1									M	M															
		Crash/Rescue #1, 2 &3		M	M	M																						
		Rescue Ldr. Veh. (2)		M	M	M							M															
		Rescue Ldr. (2)		P	P								P															
		Mobile Base		M	M	M		M																				
		GOC (SLF)		R	R								R															
		TD CR #1, #2		R	R								R															
		DOMS-ETR RCC		R	R								R															
		LCC Room TP10		R	R	R	R	R																				
		ResecueConvoy Ldr.	2		M			M																				
		Orbiter										P	P															
		CR #1, #2 AC-1		R	R	R		R																				
		Airborne COD	4	P	P								P															
		Convoy Cmdr Veh	3	M	M			M	M				M															
		Airborne Medic		P	P		P																					

37 REFERENCE NOTES

M - Mobile
P - Portable
R - Remote

A1 - Info Only - DOD Provided
A2 - Security
A3 - Landing

B1 - Portables are DOD Search & Rescue Standard Equipment

A4 - Airborne COD will have a "split Comm" helmet to provide the capability to monitor helicopter UHF, T/R on aircraft Intercom and T/R on portable VHF radio. R

UDS FORM R 229
JULY 70

1. CLASSIFICATION

1. CLASSIFICATION K-SM-10.2.81

(PAGE TITLE) RF COMMUNICATIONS RADIATION CONTROL CENTER O&C ROOM 4286		2. REPLACES PAGE (S) B-4-25 DATED 1-11-80	3. PAGE NO. B-4-25 4. DATE 8-1-80
5. PROGRAM TITLE FEDP 81	8. ITEM NO. / 9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 8
10. LOCATION			

11. CONSOLE	RADIO NET	DOE ASSESSMENT A/C 126.3 MH_z	RANGE A/C 264.8 MH_z	DOE ASSESSMENT A/C 2.6222 MH_z	ON SITE MONITOR TEAMS (TBD)	OFF SITE MONITOR TEAMS 164.45 MH_z	NET 103 173.6875 MH_z	NET 116 173.6625 MH_z	NET 105 173.6625 MH_z	CAPE SECURITY 163.4625 MH_z	CAPE FIRE/CRASH 163.5625 MH_z	CAPE OPS NET B 163.5125 MH_z	BREVARD CIVIL DEF XMIT 158.940	BREVARD CIVIL DEF REC 155.715	
KSC TS		M	M	M	M	M	M	M	M	M	M	M	T	R	
KSC SF		M	M	M	M	M	T/R	T/R	T/R	M	M	M			
KSC RPO		M	M	M	T/R	T/R	M	M	M			M			
CCAFS RPO		M	M	M	T/R	T/R	M	M	M	M	M	M			
EH REP		M	M	M	T/R	T/R	M	M	M	M	M	M			
SRO		T/R	T/R	T/R	M	M	M	M	M	T/R	T/R	T/R			
CCAFS COMMANDER		M	M	M	M	M				M	M	M			
DET 1 SAMTEC		M	M	M	T/R	T/R	M	M	M	M	M	M			
NASA HDQ REP.		M	M	M	M	M	M								
DOE PROGRAM		M	M	M	M	M									
DOE HDQ SAFETY CHIEF		T/R	M	T/R	M	M						M			
DOE SAFETY OFFICER		T/R	M	T/R	M	M						M			
AF AIR CONTROLLER		T/R	T/R	T/R	M	M									R
DOE MET		T/R	M	T/R	M	M									R
EPA		M		M	T/R	T/R	M	M		M	M	M			
NOTE: COMPLETE IMPLEMENTATION WILL NOT BE ACCOMPLISHED UNTIL STS TBD.															R

UDS FORM 8 G/C
JULY 70

2/0

1. CLASSIFICATION _____

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION 6-5		2. REPLACES PAGE (S) DATED	3. PACE NO. B-5-1 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11.
	PAGING AND AREA WARNING

UDS FORM S G/B
JULY 70

2-11

1. CLASSIFICATION

(PAGE TITLE)

SECTION B-5 PAGING/AREA WARNING

2. REPLACES PAGE (S) B-5-2 DATED 8/1/80

3. PAGE NO. B-5-2

4. DATE 6/1/81

5. PROGRAM TITLE FEDP-81

9. TEST CODE

6. PROGRAM NO.

7. REVISION NO. 10 R

8. ITEM NO.	10. TYPE INST	NET TITLE OR NUMBER		11 A. 1. Paging Areas	12 a. Inside Structures	13 b. Outside Areas	14 c. Parking Lots/ Aprons	15	16 2. Paging System Inputs	17 a. Area Warning	18 b. All Area Page (CDSC)	19 c. LC-39 Paging	20 d. Ind, Area Page (HQ)	21 e. # Local MIC Inputs	22 f. Local OIS Inputs	23 g. LC-39 Emerg. Page	24 3. High Ambient Noise Level	25	26	27 4. Page Equipment In Haz. Area	28	29	30	31	32	33	34	35
		36. STATION OR LOCATION	A																								
			B																								
	NA	OPF LOW BAY		-	Y	Y	Y	-	Y	Y	Y	N	2	Y	Y		N		N									
	NA	OPF HIGH BAY 1		-	Y	Y	Y	-	Y	Y	Y	N	1	Y	Y		Y		Y									
	NA	OPF HIGH BAY 2 (future)		-	Y	Y	Y	-	Y	Y	Y	N	1	Y	Y		Y		Y									
	NA	OPF ANNEX		-	Y	Y	Y	-	Y	Y	Y	N	1	Y	Y		N		N									
	NA	VAB HIGH BAYS(1,2,3,4)		-	Y	Y	Y	-	Y	Y	Y	N	0	Y	Y		Y		Y									
	NA	VAB LOW BAY		-	Y	Y	Y	-	Y	Y	Y	N	0	Y	Y		Y		Y									
	NA	VAB TRANSFER ISLE		-	Y	NA	NA	-	Y	Y	Y	N	0	Y	Y		Y		Y									
	NA	VAB TOWERS(a,b,c,d,e,f)			Y*	NA	NA	-	Y	Y	Y	N	0	Y	Y		N		N	*SELECTED AREAS								
	NA	HMF BUILDING 961		-	Y	Y	Y	-	Y	Y	N	N	0	Y	N		N		Y									
	NA	HMF BUILDING 1212		-	Y	Y	Y	-	Y	Y	N	N	0	Y	N		N		Y									
	NA	BUILDING 1412/1410		-	Y	Y	Y	-	Y	Y	N	N	0	Y	N		N		Y									
	NA	HMF BUILDING 1061		-	Y	Y	Y	-	Y	Y	N	N	2	Y	N		N		N									
	NA	MLP 1		-	Y	N	NA	-	Y	Y	Y	N	1	Y	Y		Y		N									
	NA	MLP 2 (FUTURE)		-	Y	N	NA	-	Y	Y	Y	N	1	Y	Y		Y		N									
	NA	PAD A (ALL AREAS)		-	Y	Y	Y	-	Y	Y	Y	N	1	Y	Y		Y		Y									
	NA	PAD B (ALL AREAS FUTURE)		-	Y	Y	Y	-	Y	Y	Y	N	1	Y	Y		Y		Y									
	NA	LAUNCH CONTROL CENTER		-	Y	Y	Y	-	N	Y	Y	N	8	Y	Y		N		N									
	NA	CRAWLER TRANSPORTER #1			Y	N	NA	-	N	Y	Y	N	1	Y	Y		Y		N									
	NA	CRAWLER TRANSPORTER #2	4		Y	N	NA	-	N	Y	Y	N	1	Y	Y		Y		N									
	NA	TRAILER COMPLEX, S.W. VAB			Y	N	N	-	Y	Y	Y	N	1	N	Y		N		N									

37 REFERENCE NOTES

N-NO Y-YES N/A-NOT APPLICABLE

1. ITEMS 1 thru 8 and items 13 thru 17 are normally configured for LC-39 Paging and can receive CDSC all Area Paging via special switching at LCC Paging Console.
2. Area Warning Panels are located in Consoles AB-7, CR-1, AB-6, CR-2 and LCC rm. 1P10 (safety console) and LCC 3R18D. HMF area warning panel located in bldg. 1061. R
3. Emergency Paging Panels are located in Consoles AB-1, 4, 7 & AC-7 in CR-1 & AB-1, 4, 6 & AC-7 in CR-2, LCC rm. 1P9 & LCC 3R18D, Duty Officer Console. R
4. Extend C/T Paging to K6-793 and add capability around K6-793. R

UDS FORM R 229
JULY 70

1. CLASSIFICATION

1. CLASSIFICATION _____

(PAGE TITLE) SECTION B-5 PAGING AREA WARNING			2. REPLACES PAGE (S) B-5-3 DATED 8/1/80	3. PAGE NO. B-5-3
				4. DATE 6/1/81
5. PROGRAM TITLE FEDP-81		9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 10 R

8. ITEM NO.	10. TYPE INST	NET TITLE OR NUMBER	A	11 1. Paging Areas	12 a. Inside Structures	13 b. Outside Areas Parking lots/ Aprons	14 c.	15	16 Paging System inputs 2.	17 a. Area Warning All Area Page	18 b. Area Page (CDSC)	19 c. LC-39 Paging Ind. Area Page (HQ)	20 d. # Local MIC Inputs	21 e. Local OIS Inputs	22 f. LC-39 "" Emerg. Page	23 g.	24	25 High Ambient 3. Noise Levels	26	27 Page Equipment 4. in Haz. Area	28	29	30	31	32	33	34	35
			B																								
		36. STATION OR LOCATION	A																								
	NA	OLF LACB		-	Y	Y	Y		-	N	Y	Y	N	2	Y	Y		Y		N								
	NA	OLF MDD		-	Y	Y	Y		-	N	Y	Y	N	0	Y	Y		Y		N								
	NA	OLF MSBLS		-	Y	N	NA		-	N	Y	Y	N	0	Y	Y		N		Y								
	NA	OLF TV TOWERS		-	N	Y	NA		-	N	Y	Y	N	0	N	Y		N		N								
	NA	O&C		-	Y	Y	Y		-	N	Y	N	N	1	N	N		Y		N								
	NA	HEADQUARTERS		-	Y	Y	Y		-	N	Y	N	N	0	N	N		N		N								
	NA	LETF		-	Y	Y	N		-	N	Y	N	N	1	Y	N		N		N								
	NA	CIF		-	Y	Y	N		-	N	Y	N	N	0	N	N		Y		N								
	NA	COB		-	Y	Y	N		-	N	Y	N	N	0	N	N		N		N								
	NA	CD&SC		-	Y	Y	N		-	N	Y	N	N	1	N	N		N		N								
	NA	EML		-	Y	N	N		-	N	Y	N	N	1	N	N		N		N								
	NA	CMS		-	Y	Y	N		-	N	Y	N	N	9	N	N		N		N								
	NA	FCTB		-	Y	Y	N		-	N	Y	N	N	8	N	N		N		N								
	NA	BASE SUPPORT		-	Y	Y	N		-	N	Y	N	N	5	N	N		N		N								
	NA	HEAVY EQUIPMENT		-	Y	Y	N		-	N	Y	N	N	2	N	N		Y		N								
	NA	CENTRAL SUPPLY WH 1		-	Y	Y	N		-	N	Y	N	N	2	N	N		N		N								
	NA	CENTRAL SUPPLY WH 2		-	Y	Y	N		-	N	Y	N	N	2	N	N		N		N								
	NA	FIRE STATION 1	1	-	Y	Y	N		-	N	Y	N	N	1	N	N		N		N								
	NA	MAIN CAFETERIA		-	Y	Y	N		-	N	N	N	N	0	N	N		N		N								
	NA	HEATING PLANT		-	Y	Y	N		-	N	N	N	N	2	N	N		N		N								
	:	HYPER FIRE SUPPRESSION				Y				Y																		
		L7-888																										

37 REFERENCE NOTES

N-NO
Y-YES
N/A-NOT APPLICABLE

1. Paging inputs from CDSC have been disconnected at customers' request.

R

1. CLASSIFICATION _____

(PAGE TITLE) SECTION B-5 PAGING/AREA WARNING			2. REPLACES PAGE (S) B-5-4 DATED 8/1/80	3. PAGE NO. B-5-4
				4. DATE 6/1/81
5. PROGRAM TITLE FEDP-81		9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 10

8. ITEM NO.	10. TYPE INST	NET TITLE OR NUMBER		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
			A	1. Paging Areas Inside a. Structures		b. Outside Areas Parking Lots/ c. Aprons			Paging System 2. Inputs	a. Area Warning All Area Paging (CDSC)	b.	c. LC-39 Paging	d. Ind. Area Page (HQ)	e. Local Mic. Inputs	f. Local OIC Inputs	g. LC-39 Emerg. Page		High Ambient 3. Noise Levels		Paging Equip. 4. in Haz. Area								
			B																									
		36. 1 STATION OR LOCATION	A																									
	NA	OCCUPATIONAL HEALTH FAC.		1	-	Y	Y	N		-	N	Y	N	N	5	N	N		N		N							
	NA	SEWAGE TREAT. BLDG. 895			-	Y	N	N		-	N	N	N	N	1	N	N		N		N							
	NA	TRAINING AUDITORIUM		1	-	Y	N	N		-	N	N	N	N	0	N	N		N		N							
	NA	CIF ANTENNA SITE			-	Y	Y	N		-	N	Y	N	N	3	N	N		N		N							
	NA	SAEF 2 BLDG. 1210		1	-	Y	Y	Y		-	N	Y	N	N	3	N	N		N		N							
	NA	POWER SUB. BLDG. 996			-					-																		
	NA	ORD. STOR. BLDG. 1472			-	Y	Y	N		-	N	Y	N	N	0	N	N		N		N							
	NA	ORD. LAB BLDG. 1417			-	Y	Y	N		-	Y	N	N	N	0	N	N		N		N							
	NA	02 COMPT. LAB BLDG 1509			-					-																		
	NA	RADAR BORESITE RGE. TWR. 863			-					-																		
	NA	RADAR BORESITE CON. BLDG. 867			-					-																		
	NA	LAUNCH EQUIP. SHOP			-	Y	N	N		-	N	N	Y	N	0	N	Y		N		N							
	NA	ELEC. UTIL. BLDG. K6947			-	Y	N	N		-	N	N	Y	N	0	N	Y		N		N							
	NA	GSA MOTOR POOL M6-688			-	Y	Y	Y		-	N	N	N	N	2	N	N		N		N							
	NA	LC-39 PAD A OPS BLDG.			-	Y	Y	N		-	Y	Y	Y	N	N	Y	Y		N		N							
	NA	LC-39 PAD A TECH. SPPT. BLDG. CCF			-	Y	Y	N		-	Y	Y	Y	N	N	Y	Y		N		N							
		BLDG. K6-1446 Rm. 102				Y		N		-			Y		Y		Y		1									

37 REFERENCE NOTES

N-NO
Y-YES
N/A-NOT APPLICABLE

1. Paging inputs from CDSC have been disconnected at customers' request.

R

R 24

1. CLASSIFICATION _____

1. CLASSIFICATION _____

(PAGE TITLE) SECTION B-5 PAGING/AREA WARNING	2. REPLACES PAGE (S) B-5-5 DATED 8/1/80	3. PAGE NO. B-5-5
		4. DATE 6/1/81
5. PROGRAM TITLE FEDP-81	6. PROGRAM NO.	7. REVISION NO. 10
	9. TEST CODE	

R

8. ITEM NO.	10. TYPE INST	NET TITLE OR NUMBER	A	11 1. Paging Areas a. Inside Structures	12	13 b. Outside Areas Parking Lots/	14 c. Aprons	15	16 2. Paging System Inputs	17 a. Area Warning All Area Paging (CDSC)	18 b.	19 c. LC-39 Paging Ind. Area Page (HQ)	20 d	21 # Local Mic. Inputs	22 e. Local OIS Inputs	23 f. LC-39 g. Emerg. Page	24	25 High Ambient 3. Noise Levels	26	27 Paging Equip. 4. in Haz. Area	28	29	30	31	32	33	34	35
			B																								
		36. STATION OR LOCATION	A																								
	NA	ORD. STOR. BLDG. K7-558		-	Y	Y	N		-	Y	Y	Y	N	O	N	Y		N		Y								
	NA	OPS BLDG. D7-416		-	Y	Y	N		-	Y	Y	Y	N	O	N	Y		N		Y								
	NA	LH2 & LO2 STORAGE SHED		-	Y	N	N		-	Y	Y	Y	N	O	N	Y		N		Y								
	NA	WEATHER STATION B		-	Y	N	N		-	N	Y	Y	N	O	N	N		N		N								

R

37 REFERENCE NOTES

N-NO
Y-YES
N/A-NOT APPLICABLE

UDS FORM R 229
JULY 70

2/6

1. CLASSIFICATION _____

1. CLASSIFICATION

(PAGE TITLE) SECTION B-5 PAGING/AREA WARNING		2. REPLACES PAGE (S) B-5-6 DATED 8/1/80	3. PAGE NO. B-5-6	
			4. DATE 6/1/81	
5. PROGRAM TITLE FEDP-d1	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 10	

8. ITEM NO.	10. TYPE INST	NET TITLE OR NUMBER	A	11 1. Paging Areas	12 a. Inside Structures	13 b. Outside Areas	14 c. Parking Lots/ Aprons	15	16 2. Paging System Inputs	17 a. Area Warning	18 c. LC-39 Paging	19	20 3. Local SLF Paging	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	37 REFERENCE NOTES
			S																									
		36. STATION OR LOCATION	A																									
		SLF MID-PARK SITE		-	Y	Y	N		-	Y	Y	Y	Y															

1. CLASSIFICATION _____

(PAGE TITLE)

SECTION B-5 PAGING/AREA WARNING

2. REPLACES PAGE (S) B-5-7 DATED 6/1/81

3. PAGE NO. B-5-7

4. DATE 12/1/81

5. PROGRAM TITLE FEDP 81

6. PROGRAM NO.

7. REVISION NO. 11

9. TEST CODE

8. ITEM NO.	10. TYPE INST	NET TITLE OR NUMBER		11 A. 1. Paging Areas	12 a. Inside Structures	13 b. Outside Areas	14 c. Parking Lots/ Aprons	15	16 2. Paging System Inputs	17 a. Area Warning	18 b. All Area Paging (CDSC)	19 c. LC-39 Paging	20 d. Ind. Area Paging (HQ)	21 # Local MIC	22 e. Local OIS Inputs	23 f. (LC-39) g. Emers. Paging	24	25 High Ambient 3. Noise Levels	26	27 Paging Equip. 4. in Haz. Area	28	29	30	31	32	33	34	35	37 REFERENCE NOTES
			B																									
		36. STATION OR LOCATION	A																									N - NO Y - YES
		K6-1045, 3 TRLR Complex		-	Y	N	N		-	Y	Y	Y	N	O	N	Y		N		N								
		SEWAGE TREATMENT		-	Y	N	N		-	N	Y	Y	N	O	N	Y		Y		N								
		PLANT (K6-792)																										
		PAINT/OIL STORAGE		-	Y	N	N		-	N	N	N	N	2	N	N		N		N								
		(M6-894)																										
		WATER PUMP STA. (m6-896)		-	Y	N	N		-	N	N	N	N	O	N	N		Y		N								
		BANANA RIVER RPTR.		-	Y	N	N		-	N	N	N	N	O	N	N		N		N								
		SOUTH REPEATER		-	Y	N	N		-	N	N	N	N	O	N	N		N		N								
		RADAR SITE (TPQ-18)		-	Y	Y	N		-	N	N	N	N	4	N	N		N		N								
		TPS BLDG. (K6-1045)		-	Y	Y	N		-	N	N	N	N	O	N	N		N		N								

R

UDS FORM R 229
JULY 70

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1. CLASSIFICATION _____

1. CLASSIFICATION _____

(PAGE TITLE)	2. REPLACES PAGE (S)	3. PAGE NO.
SECTION B-5 EMERGENCY WARNING INPUT LOCATIONS AND AREA WARNING CONTROL LOCATIONS	B-5-8 DATED 6/1/81	B-5-8
		4. DATE 12/1/81
5. PROGRAM TITLE FEDP 81	9. TEST CODE	6. PROGRAM NO.
		7. REVISION NO. 11

| 8. ITEM NO. | 10. TYPE INST | NET TITLE OR NUMBER | A | 1 Emerg. and Local Warning Control-Rm | 2 Emerg. and Local Warning Control-Rm | Emergency Warning LC-39 Area | Emergency Warning Industrial Area | | Area Warning | | |

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-5 PAGING AND AREA WARNING		2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. B-5-9
			4. DATE 06-01-80
5. PROGRAM TITLE. FCDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION			

8. ITEM NO.	11.

A special "All Industrial Area" paging microphone has been installed in the Safety Console, Room 1P10, Launch Control Center (LCC) and Room 1P9 to Duty Officer.

This microphone can reach the following Industrial Areas:

1. Base Support Building, M6-486
2. Security Patrol, Bldg. M6-589
3. Central Instrumentation Facility, Bldg. M6-342
4. Central Instrumentation Facility, Antenna Site
5. Central Supply Facility, Bldg. M6-744
6. Communications Distribution and Switching Center, Bldg. M6-138
7. Communications Maintenance and Storage, Bldg. M6-791
8. Communications Office Bldg. M6-339
9. Electro Magnetic Laboratory, Bldg. M6-336
* 10. Fire Station #1, Bldg. M6-695
11. Flight Crew Support Bldg. M7-409
* 12. Hypergol Maintenance Facility (HMF), Buildings M7-961, M7-1061, M7-1212, M7-1412
13. Kennedy Space Center Headquarters Building, M6-399
* 14. Occupational Health Facilty, Bldg. M6-495
15. Operatons and Checkout (O&C) Bldg. M7-355
* 16. Spacecraft Assembly and Encapsulation Facility #2, Bldg. M7-1210
17. Supply Warehouse #1, Bldg. M6-794
* 18. Visitors Information Center (VIC), Bldg. M6-409

* Disconnected or patched out per customer request.

1. CLASSIFICATION _____

(PAGE TITLE) SECTION B-5 PAGING/AREA WARNING	2. REPLACES PAGE (S) B-5-10 DATED 6/1/81	3. PAGE NO. B-5-10
		4. DATE 12/1/31
	9. TEST CODE	6. PROGRAM NO.
5. PROGRAM TITLE FEDP 81		7. REVISION NO. 11

8. ITEM NO.	10. TYPE INST	NET TITLE OR NUMBER: VIP PAGING SYSTEM	A/B	11 SB T&T (RR)	12 TTC 14J7	13 TTC 14J8	14 TTC 14J9	15 TTC 14J10	16 TECH. ACCESS	17 CDSC RECORDERS	18 LC-39 PAGING SYS.	19 KSCNF DIST. AMP	20 CR-1	21 CR-2	22 CR-3	23 INDUSTRIAL AREA ALL AREA PAGE	24	25	26	27	28	29	30	31	32	33	34	35	37 REFERENCE NOTES
		36. STATION OR LOCATION	A																									
		CR-1 ONR CONS. A-18	A							X	X	X	X	X		X												R
		CR-2	A							X	X	X	X	X		X												R
		CR-3	A							X	X	X	X	X		X												R

1. CLASSIFICATION _____

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1 CLASSIFICATION

(PAGE TITLE) SECTION B-6		2. REPLACES PAGE (S) B-6-1 DATED 06-01-81	3. PAGE NO. B-6-1
			4. DATE 10-08-81
5. PROGRAM TITLE FEDP-81	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11

8. ITEM NO.	10.
	OPERATIONAL TELEVISION

R

1 CLASSIFICATION

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-6 OTV MONITORS		2. REPLACES PAGE (S) DATED B-6-2 06-01-81	3. PAGE NO. B-6-2 R 4. DATE 10-08-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION			

8. ITEM NO.

11.

LC 39 LCC OTV MONITORS ARE CONFIGURED AS FOLLOWS:

100 SERIES MONITORS - FIRING ROOM #1 SWITCHABLE
200 SERIES MONITORS - FIRING ROOM #2 SWITCHABLE
300 SERIES MONITORS - FIRING ROOM #3 SWITCHABLE
400 SERIES MONITORS - FIRING ROOM #2 PATCHABLE
500 SERIES MONITORS - FIRING ROOM #3 PATCHABLE
600 SERIES MONITORS - ALL LCC MISC AREAS SWITCHABLE
700 SERIES MONITORS - ALL LCC MISC AREAS PATCHABLE
800 SERIES MONITORS - FIRING ROOM #4 PATCHABLE
900 SERIES MONITORS - FIRING ROOM #1 PATCHABLE

MONITOR NUMBERS WITH LETTER SUFFIXES INDICATE THAT THE INPUT VIDEO IS CONTROLLED BY ANOTHER MONITOR CARRYING THE SAME NUMBER WITH NO SUFFIX LETTER.

1 CLASSIFICATION _____

(PAGE TITLE) SECTION B-6 OTV MONITORS LCC FIRING ROOM 1 - AREA A		2. REPLACES PAGE (S) B-6-3 DATED 06-01-81	3. PAGE NO. B-6-3
			4. DATE 10-08-81
5. PROGRAM TITLE FEDP - 81	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11

ROW AA

PAO 964 SW 19 | VO/TS 101 | VO/CD 102 | VO 965 ← 14 INCH MONITORS

1		2		3		4		5		6	

ROW AB

TO		TO		VO				VO				VO		VO	
181	957	103	104	105	106			107	126			108	110	109	108A
										SW17					
1		2		3		4		5		6		7		8	

ROW AC

SF		SF						(R) CO				VO		VO	
692A	693A	694A	695A					966	967			111	112	113	114
1		2		3		4		5		6		7		8	

1 CLASSIFICATION _____

(PAGE TITLE)		2. REPLACES PAGE (S)	3. PAGE NO.
SECTION B-6 OTV MONITORS LCC FIRING ROOM 1 - AREA B		B-6-4 DATED 06-01-81	B-6-4 4. DATE 10-08-81
5. PROGRAM TITLE FEDP - 81	9. TEST CODE	8. PROGRAM NO.	7. REVISION NO. 11

CONS. NO. 1 2 3 4 5 6 7 8 9 10 11 12

ROW BA

	1	2	3	4	5	6	7	8	9	10	11	12
		CO		CO		CO (R)		VE		VE		VE
		129 130		131 132		968 969		135 136		125 958		127 959
										SW13		SW14
	C1 - A1		C1 - A2		C1 - A3		C2 - A1		C2 - A2		C2 - A3	

PAYLOADS 0140 (R) (R) FC/PRSD 0108

CONS. NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

ROW BC

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
		***VE (R)		VE	VE*	VE		VE		VE	VE**							VE		VE (R)		VE		VE
		970 971		143 144	141 142	145 146		147 148		149 150	151 152							123 124		165 166		138A 138		139 140
				SW2	SW1	SW3		SW4		SW5	SW6													
	C3 - A1		C3 - A2		C3 - A3		C4 - A1		C4 - A2		C4 - A3		C5 - A1		C5 - A2		C5 - A3		C6 - A1		C6 - A2		C6 - A3	

0116 MAIN CRYO & MPS 0115 0124 FLUIDS /MECH 0123

CONS. NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

ROW BE

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
		VE		VE		VE		VE		VE		VE				VE								
		153 154		155 156		157 158		159 160		161 162		163 164				134A 134								
	C7 - A1		C7 - A2		C7 - A3		C8 - A1		C8 - A2		C8 - A3		C9 - A1		C9 - A2		C9 - A3		C10 - A1		C10 -A2		C10 - A3	

0132 HYPERGOLS & RS 0131 0104 RF & POWER 0139

CONS. NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

ROW BG

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
		VE		VE				VE		VE				VO		VO						VO		VO
		951 952		951A 952A				953 954		954A 955				115 116		117 118						119 122A		120 122
	C11 - A1		C11 - A2		C11 - A3		C12 - A1		C12 - A2		C12 -A3		A1		A2		A3		A1		A2		A3	

0148 AVIONICS 0147 0156 BACKUP & INTEGRATION 0155

R

UDS Form R G/B
July 70

*=BETWEEN 4 & 5 **=BETWEEN 10 & 11
*** = BETWEEN 2 & 3

1 CLASSIFICATION _____

264

1 CLASSIFICATION _____

(PAGE TITLE) SECTION B-6 OTV LOCATIONS LCC FIRING ROOM 2 - AREA A		2. REPLACES PAGE (S) N/A DATED	3. PAGE NO. B-6-5
			4. DATE 06-01-81
5. PROGRAM TITLE	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 10

ROW AA

VO/TS 201 VO/CD 202 ← 14 INCH MONITORS

1	2	3	4	5	6

ROW AB

1	2	3	4	5	6	7	8
TO 281 / 457	TO 203 / 204	VO 205 / 206		VO 207 / 226	VO 208 / 210	VO SW 18	VO 209 / 208A

ROW AC

1	2	3	4	5	6	7	8

R

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July 70

1 CLASSIFICATION _____

1 CLASSIFICATION _____

(PAGE TITLE)	2. REPLACES PAGE (S)	3. PAGE NO.
SECTION B-6 OTV MONITORS LCC FIRING ROOM 2 - AREA B	B-6-6 DATED 06-01-81	B-6-6 4. DATE 10-08-81
5. PROGRAM TITLE: FEDP - 81	8. TEST CODE	6. PROGRAM NO. / 7. REVISION NO.: 11

CONS. NO. 1 2 3 4 5 6 — 7 8 9 10 11 12 — 13 14 15 16 17 18 — 19 20 21 22 23 24

ROW BA

1 2 3 4 5 6	7 8 9 10 11 12	13 14 (VE) 15 16 (VE) 17 18 (VE) (R)	19 20 (CO) 21 22 (VE)(R) 23 24 (VE)
		229 230 — 231 232 — 468 469	235 236 — 225 458 — 227 459
			SW15 — SW16
A1 — A2 — A3	A1 — A2 — A3	C1 - A1 — C1 - A2 — C1 - A3	C2 - A1 — C2 - A2 — C2 - A3
0234	0233	MECHANICAL 0240	PAYLOADS/FC/PRSD 0223

CONS. NO. 1 2 3 4 5 6 — 7 8 9 10 11 12 — 13 14 15 16 17 18 — 19 20 21 22 23 24

ROW BC

1 2 (R) 3 4 (R) 5 6 (VE)	7 8 (VE) 9 10 (R) 11 12 (R)	13 14 15 16 17 18 (VE)	19 20 (VE) (R) 21 22 (VE) 23 24 (VE)
245 246	247 248	223 224	265 266 — 238A 238 — 239 240
SW9	SW10		
C3 - A1 — C3 - A2 — C3 - A3	C4 - A1 — C4 - A2 — C4 - A3	C5 - A1 — C5 - A2 — C5 - A3	C6 - A1 — C6 - A2 — C6 - A3
0216 MAIN CRYO & MPS 0215		0204 FLUIDS	0224

R

CONS. NO. 1 2 3 4 5 6 — 7 8 9 10 11 12 — 13 14 15 16 17 18 — 19 20 21 22 23 24

ROW BE

1 2 (VE) 3 4 (VE) 5 6 (VE)	7 8 (VE) 9 10 (VE) 11 12 (VE)	13 14 (VE) (R) 15 16 (VE) (R) 17 18	19 20 (VE) (R) 21 22 (VE)(R) 23 24 (VE) (R)
253 254 — 255 256 — 257 258	259 260 — 261 262 — 263 264	241 242 — 243 244	234A 234 — 249 250 — 251 252
		SW7 — SW8	SW11 — SW12
C7 - A1 — C7 - A2 — C7 - A3	C8 - A1 — C8 - A2 — C8 - A3	C9 - A1 — C9 - A2 — C9 - A3	C10 - A1 — C10 -A2 — C10 - A3
0232 HYPERGOLS & RS	0231	0208 RF & POWER	0239

R

CONS. NO. 1 2 3 4 5 6 — 7 8 9 10 11 12 — 13 14 15 16 17 18 — 19 20 21 22 23 24

ROW BG

1 2 (VE) 3 4 (VE) 5 6	7 8 (VE) 9 10 (VE) 11 12	13 14 (VO) 15 16 (VO) 17 18	19 20 21 22 (VO) 23 24 (VO)
451 452 — 451A 452A	453 454 — 454A 455	215 216 — 217 218	219 222A — 220 222
C11 - A1 — C11 - A2 — C11 - A3	C12 - A1 — C12 - A2 — C12 -A3	A1 — A2 — A3	A1 — A2 — A3
0248 AVIONICS	0247	0256 BACKUP & INTEGRATION	0255

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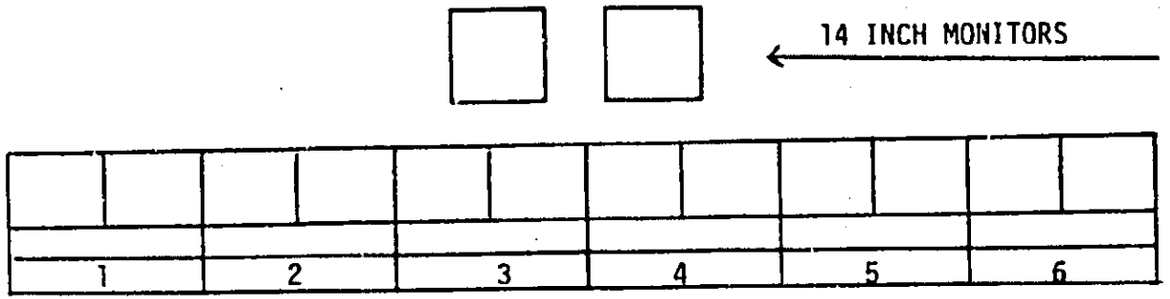
1 CLASSIFICATION _____

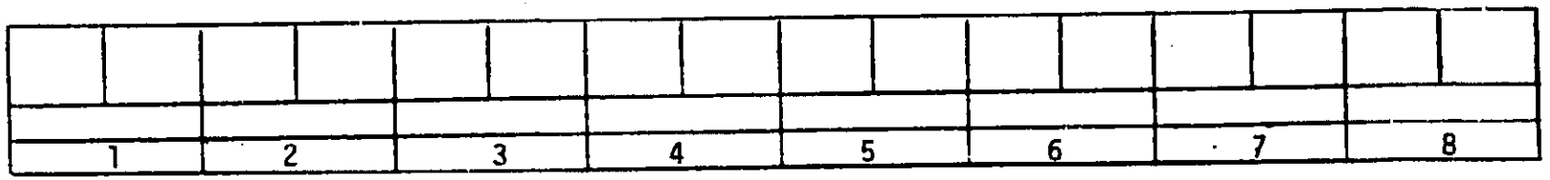
1 CLASSIFICATION _____

(PAGE TITLE)		2 REPLACES PAGE (S)	3 PAGE NO.
SECTION B-6 OTV MONITORS LCC FIRING ROOM 3 - AREA A (TBD)		ADDED DATED	B-6-6.1 4 DATE 10-08-81
5 PROGRAM TITLE FEDP-81	8 TEST CODE	6 PROGRAM NO.	7 REVISION NO. 11

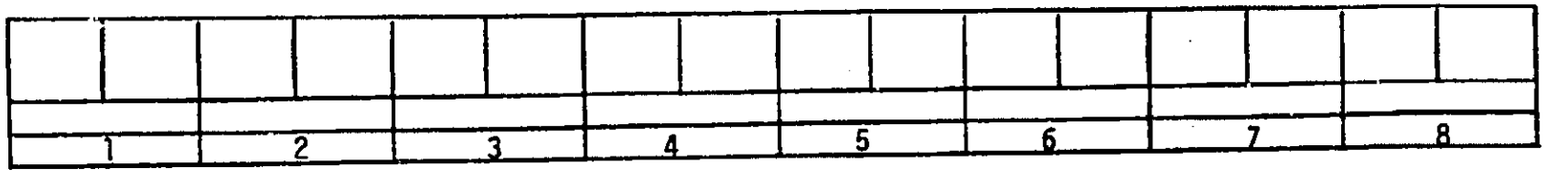
ROW AA



ROW AB



ROW AC



UDS Form R G/B
July 70

1 CLASSIFICATION _____

1 CLASSIFICATION _____

(PAGE TITLE) SECTION B-6 OTV MONITORS LCC FIRING ROOM 3 - AREA B (TBD)	2 REPLACES PAGE (S) ADDED DATED	3 PAGE NO. B-6-6.2
		4 DATE 10-08-81
5 PROGRAM TITLE FEDP-81 / 9 TEST CODE	8. PROGRAM NO.	7 REVISION NO 11

CONS. NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

ROW BA

CONS. NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

ROW BC

CONS. NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

ROW BE

CONS. NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

ROW BG

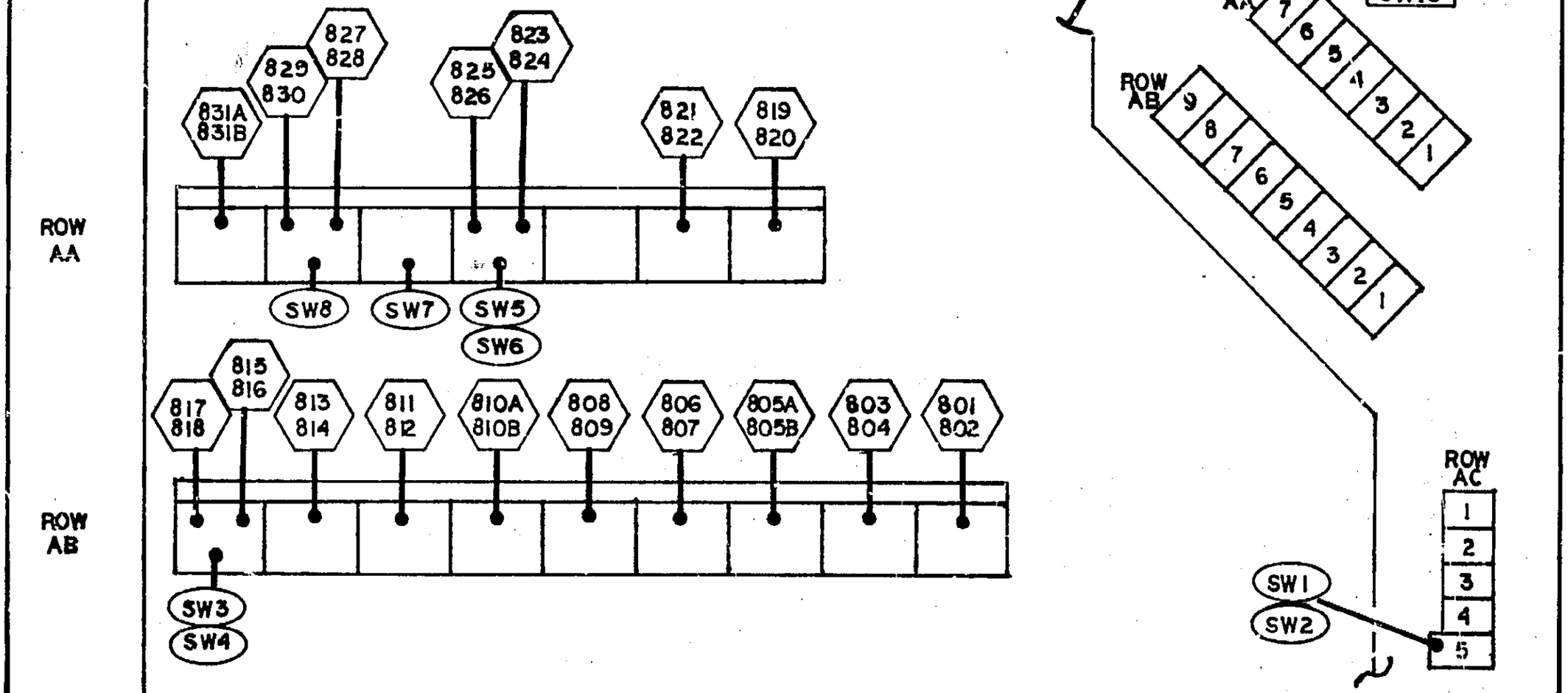
1 CLASSIFICATION _____

1 CLASSIFICATION: _____

(PAGE TITLE) SECTION B-6 OTV MONITORS LCC FIRING ROOM 4 - AREA A		2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. B-6-6.3
			4. DATE 10-08-81
5. PROGRAM TITLE FEDP-81	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11

8. ITEM NO.

10.

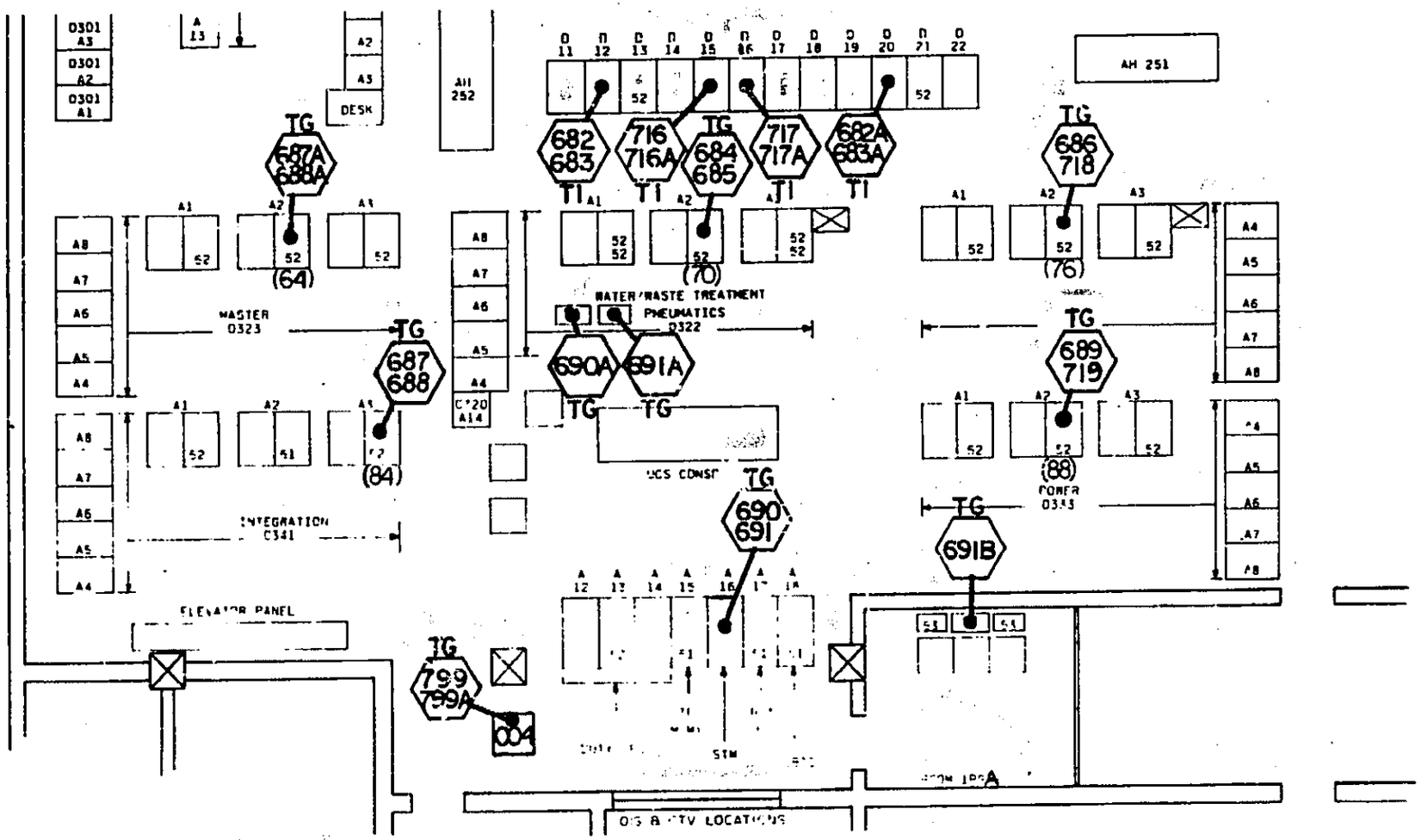


1. CLASSIFICATION: _____

(PAGE TITLE) SECTION B-6 OTV LOCATIONS		2. REPLACES PAGE (S) N/A DATED	3. PAGE NO. B-6-7
			4. DATE 06-01-81
5. PROGRAM TITLE FEDP-81	8. ITEM NO. / 9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 10

10. LOCATION LCC-ROOM IP9 & IP9A

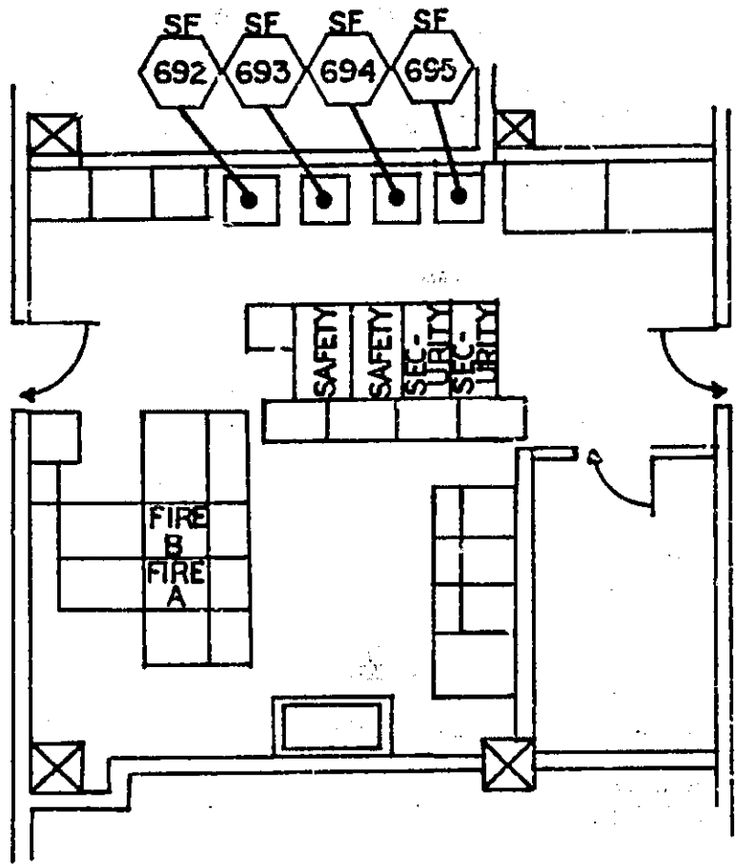
11.



1. CLASSIFICATION: _____

(PAGE TITLE) SECTION B-6 OTV LOCATIONS			2. REPLACES PAGE (S) DATED N/A	3. PAGE NO. B-6-8
				4. DATE 06-01-81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 10
10. LOCATION LCC-ROOM IP10				

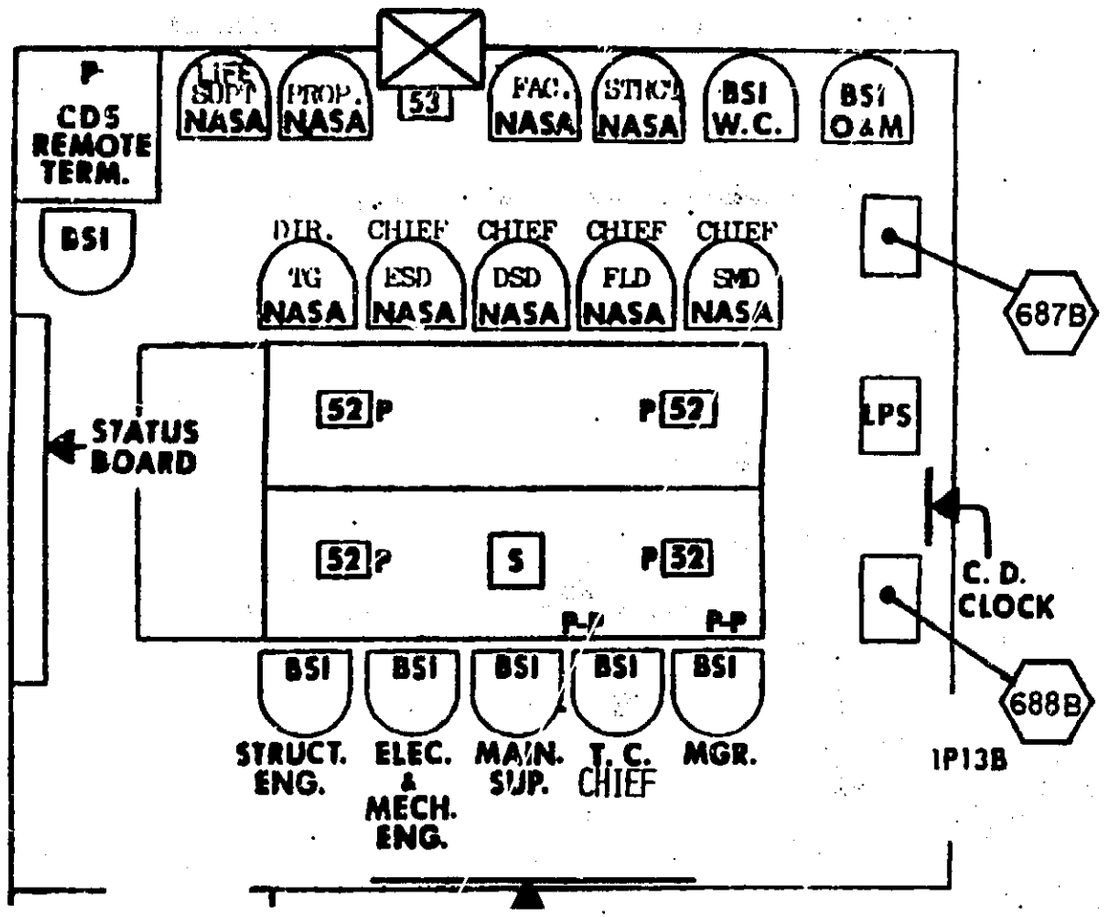
11.



1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: TG GROUND SYSTEMS SUPPORT CENTER		2. REPLACES PAGE (S) DATED N/A	3. PAGE NO. B-6-9
			4. DATE 06-01-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. 10
10. LOCATION LCC ROOM 1P13B			

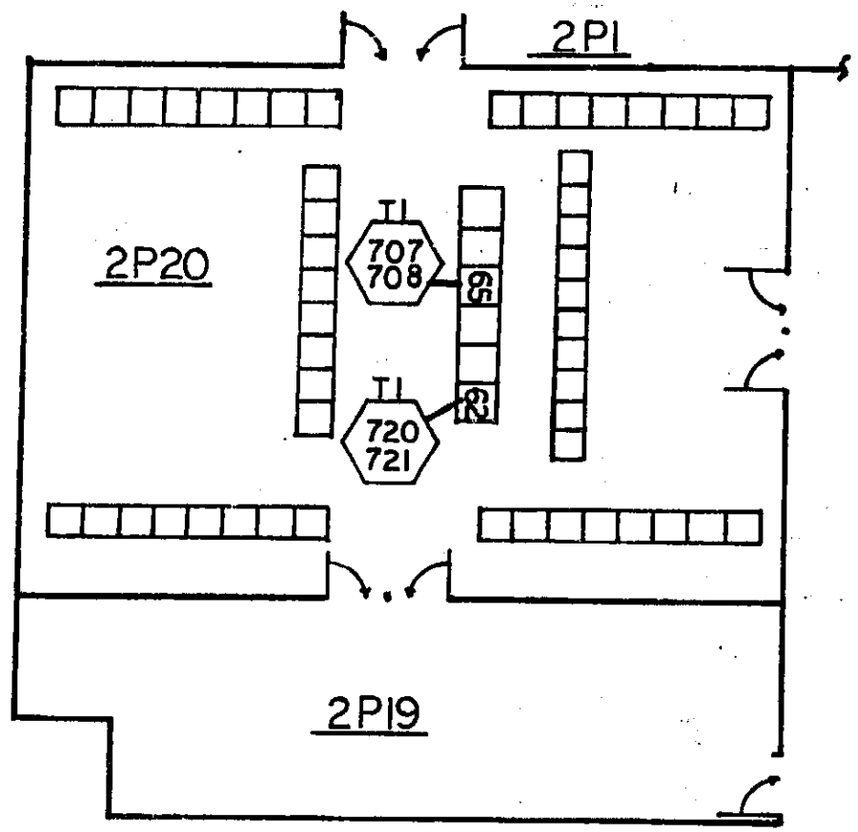
8. ITEM NO.	11.



1. CLASSIFICATION

(PAGE TITLE) SECTION B-6 OTV LOCATIONS			2. REPLACES PAGE (S) N/A DATED	3. PAGE NO. B-6-10
				4. DATE 06-01-81
5. PROGRAM TITLE FEDP-81	6. ITEM NO.	9. TEST CODE	8. PROGRAM NO.	7. REVISION NO. 10
10. LOCATION LCC-ROOM 2P20				

11.



UDS FORM S C/C
JULY 70

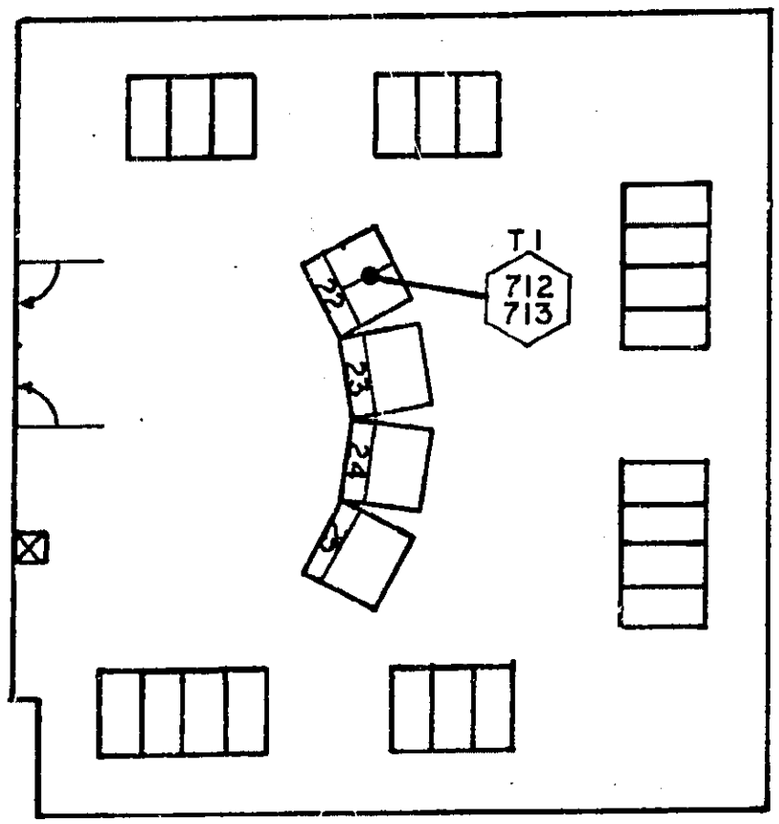
1. CLASSIFICATION

263

1. CLASSIFICATION: _____

(PAGE TITLE) SECTION B-6 OTV LOCATIONS			2. REPLACES PAGE (S) DATED N/A	3. PAGE NO. B-6-11
				4. DATE 06-01-81
5. PROGRAM TITLE FEDP-81	6. ITEM NO.	9. TEST CODE	5. PROGRAM NO.	7. REVISION NO. 10
10. LOCATION LCC-ROOM 2P22				

11.

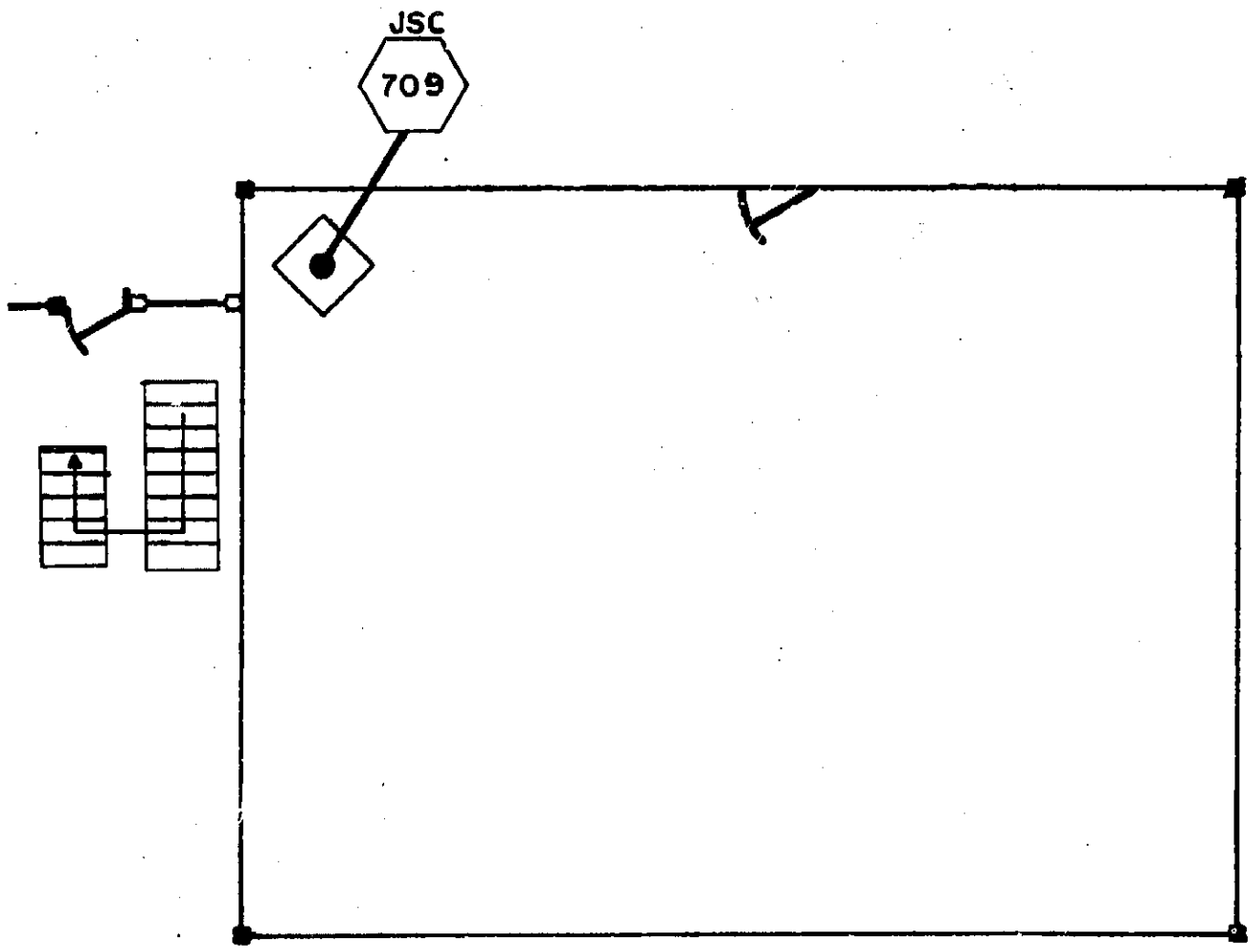


1 CLASSIFICATION

(PAGE TITLE) SECTION B-6 OTV MONITORS FEDP-81		2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. B-6-11.1
			4. DATE 10-08-81
5. PROGRAM TITLE LCC-RM 2R22	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11

8. ITEM NO.

10.

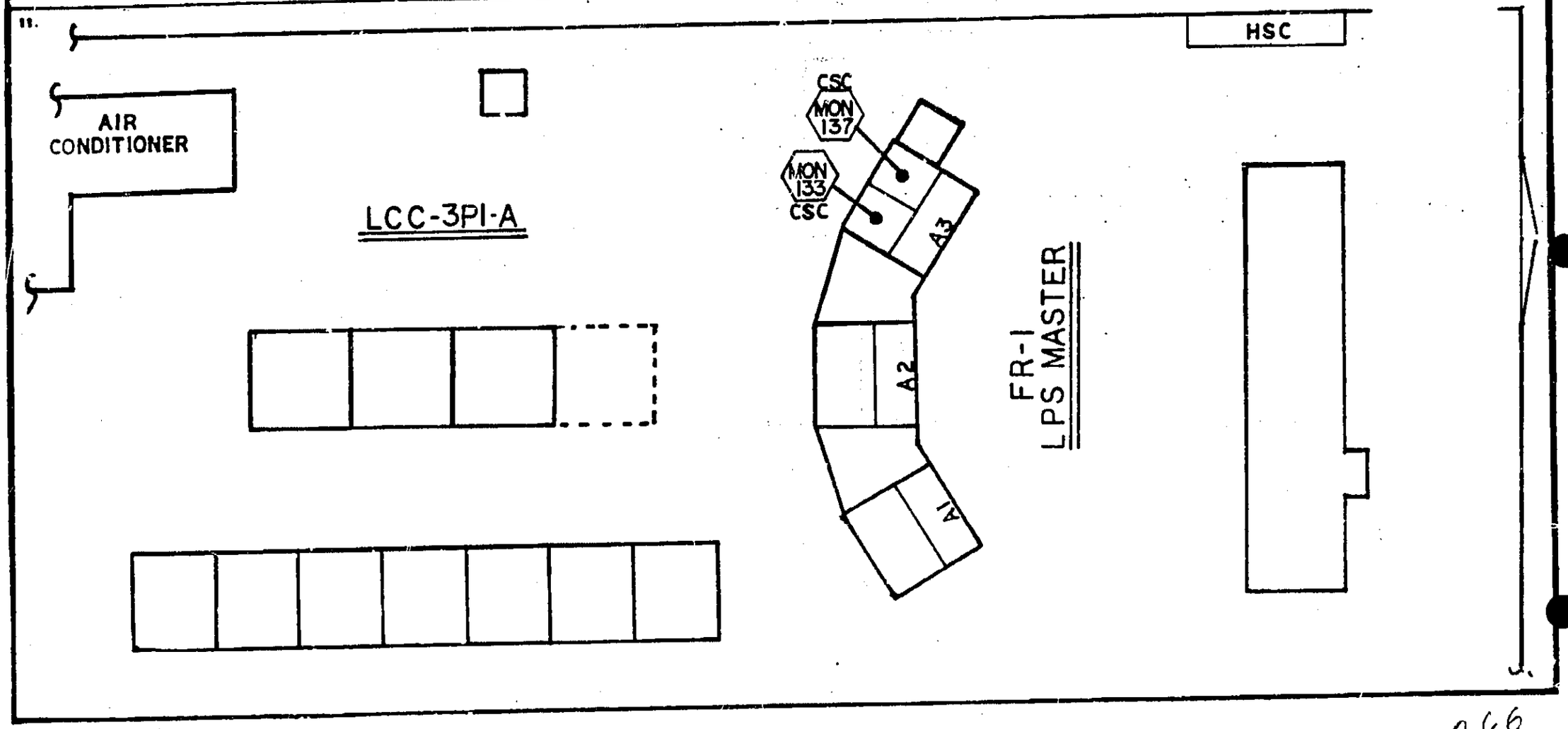


1. CLASSIFICATION

(PAGE TITLE) SECTION B-6 OTV LOCATIONS			2. REPLACES PAGE (S) DATED N/A	3. PAGE NO. B-6-12
				4. DATE 06-01-81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 10

10. LOCATION LCC - ROOM 3PI-A

11.

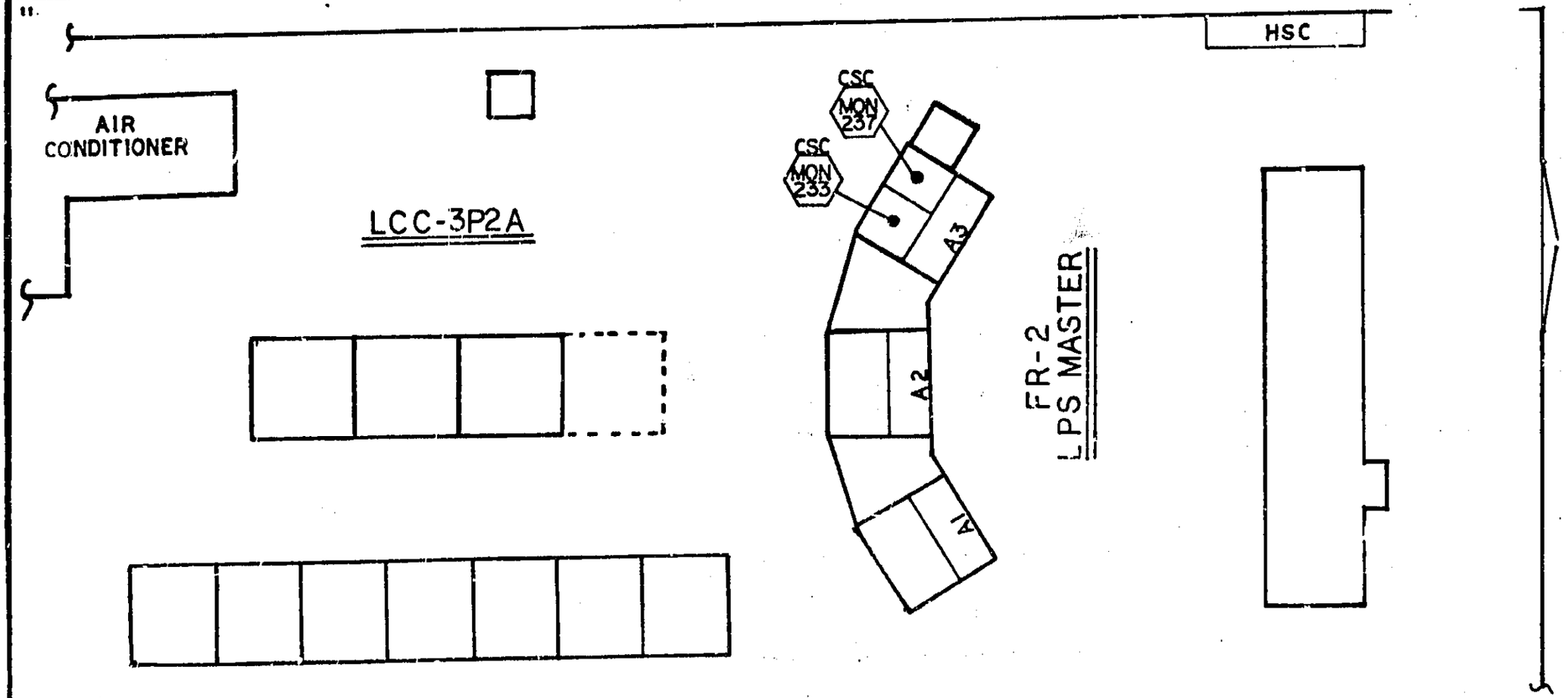


1. CLASSIFICATION

(PAGE TITLE) SECTION B-6 OTV LOCATIONS			2. REPLACES PAGE (S) DATED N/A	3. PAGE NO. B-6-13
				4. DATE 06-01-81
5. PROGRAM TITLE FEDP-81	6. ITEM NO.	7. TEST CODE	8. PROGRAM NO.	9. REVISION NO. 10

10. LOCATION LCC-ROOM 3P2A

11.



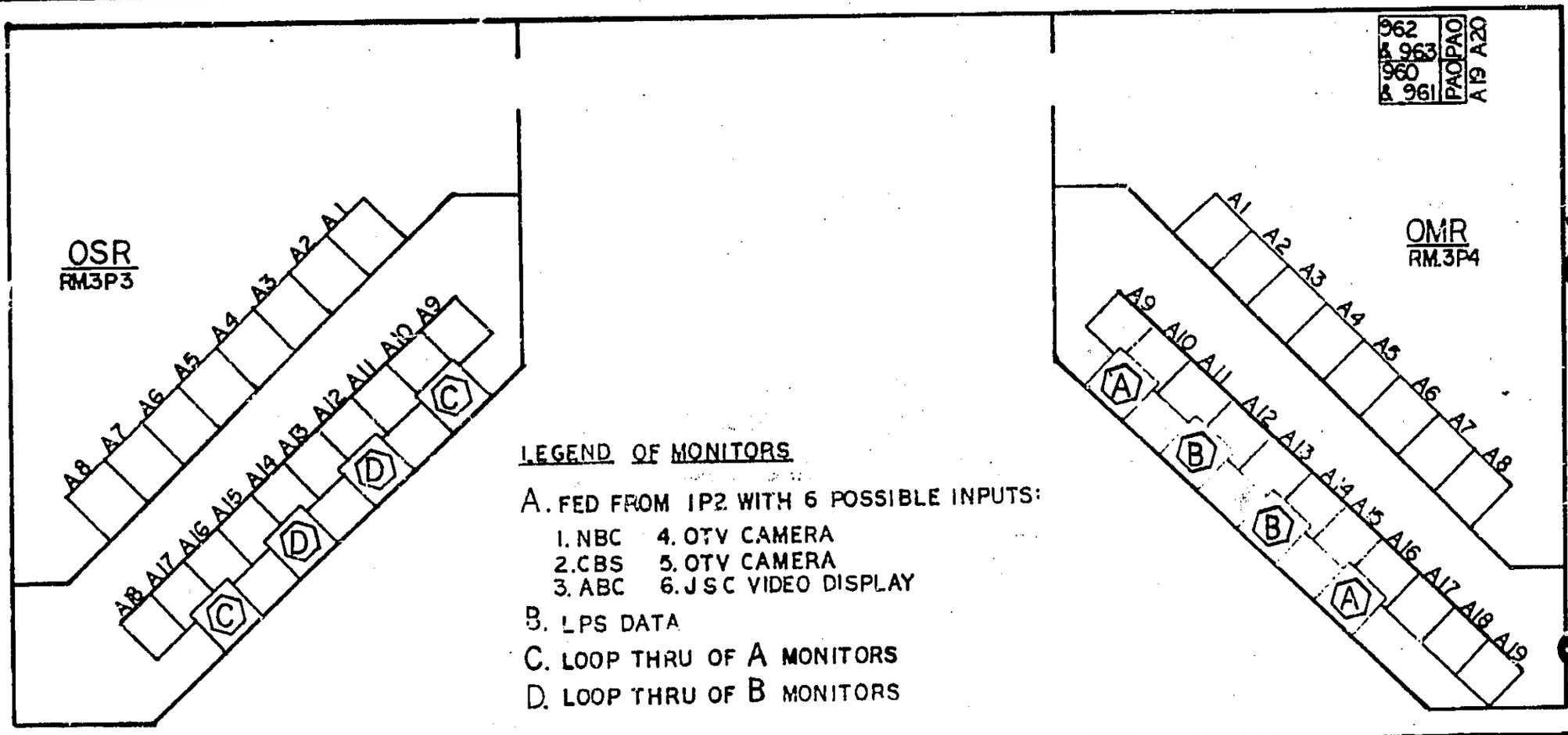
UDS FORM S G/C
JULY 70

1. CLASSIFICATION: _____

(PAGE TITLE) SECTION B-6 OTV LOCATIONS			2. REPLACES PAGE (S) N/A DATED	3. PAGE NO. B-6-14
				4. DATE 06-01-81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 10

10. LOCATION LCC CONTROL ROOM OMR/OSR AREA (3P3/3P4)

11.


OSR
RM3P3
A1 A2 A3 A4 A5 A6 A7 A8
A9 A10 A11 A12 A13 A14 A15 A16 A17 A18 A19
OMR
RM3P4
962 & 963 960 & 961 PAO PAO A19 A20
LEGEND OF MONITORS
A. FED FROM IP2 WITH 6 POSSIBLE INPUTS:
1. NBC 4. OTV CAMERA
2. CBS 5. OTV CAMERA
3. ABC 6. J S C VIDEO DISPLAY
B. LPS DATA
C. LOOP THRU OF A MONITORS
D. LOOP THRU OF B MONITORS

UDS FORM S G/C
JULY 70

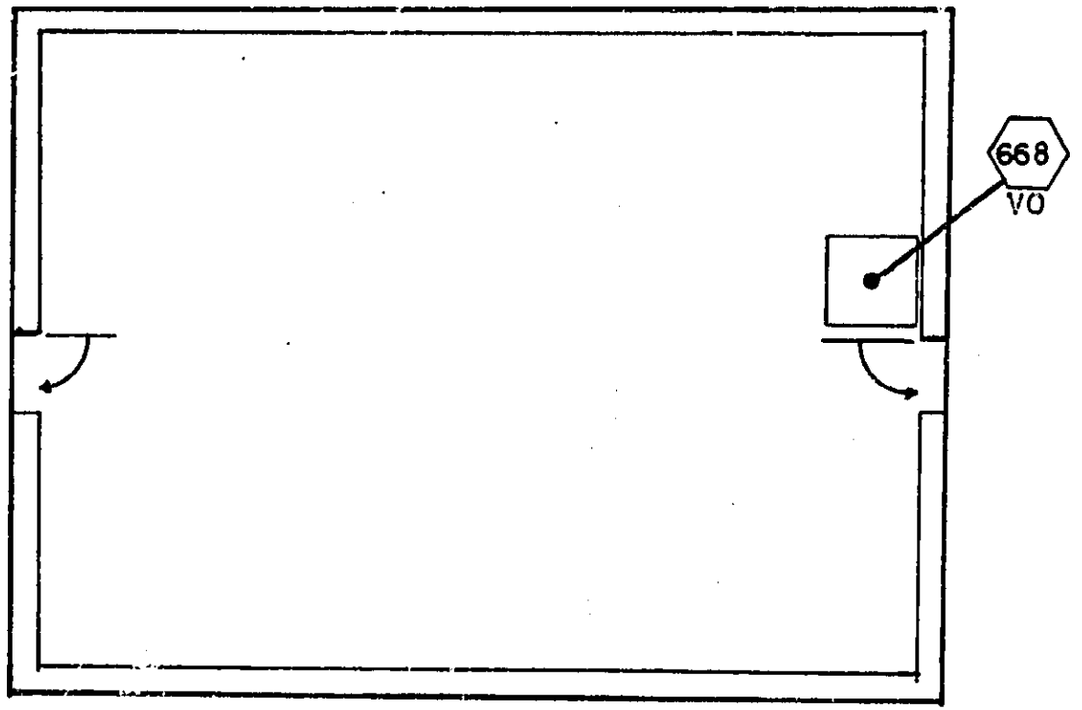
1. CLASSIFICATION: _____

968

1. CLASSIFICATION: _____

(PAGE TITLE) SECTION B-6 OTV LOCATIONS			2. REPLACES PAGE (S) DATED N/A	3. PAGE NO. B-6-15
				4. DATE 06-01-81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 10
10. LOCATION LCC-ROOM 3P11				

11.



UDS FORM S C/C
JULY 70

1. CLASSIFICATION

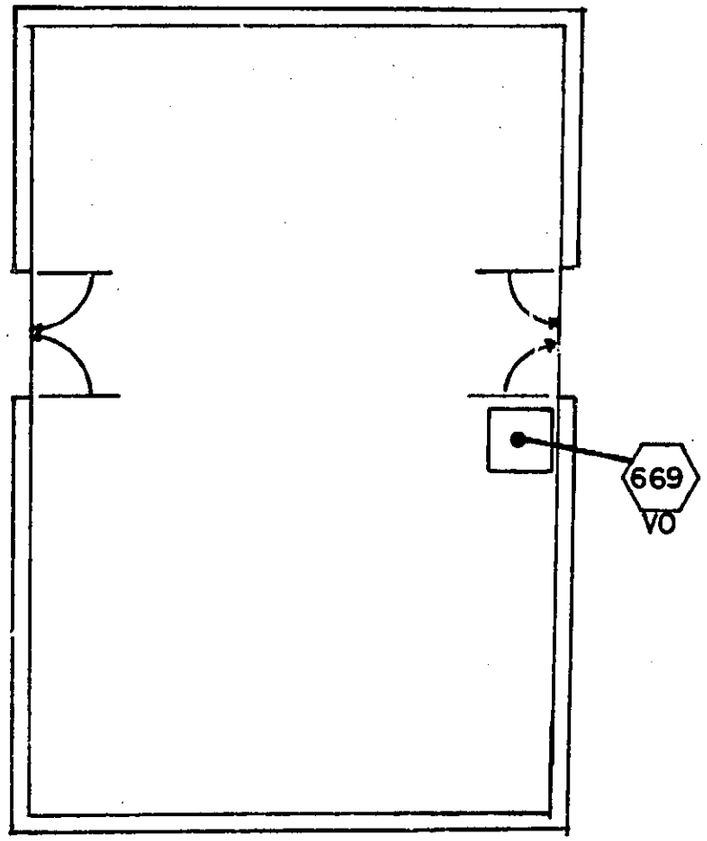
269

1. CLASSIFICATION: _____

(PAGE TITLE) SECTION B-6 OTV LOCATIONS			2. REPLACES PAGE (S) N/A DATED	3. PAGE NO. B-6-16
				4. DATE 06-01-81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 10

10. LOCATION LCC - ROOM 3P12

11.



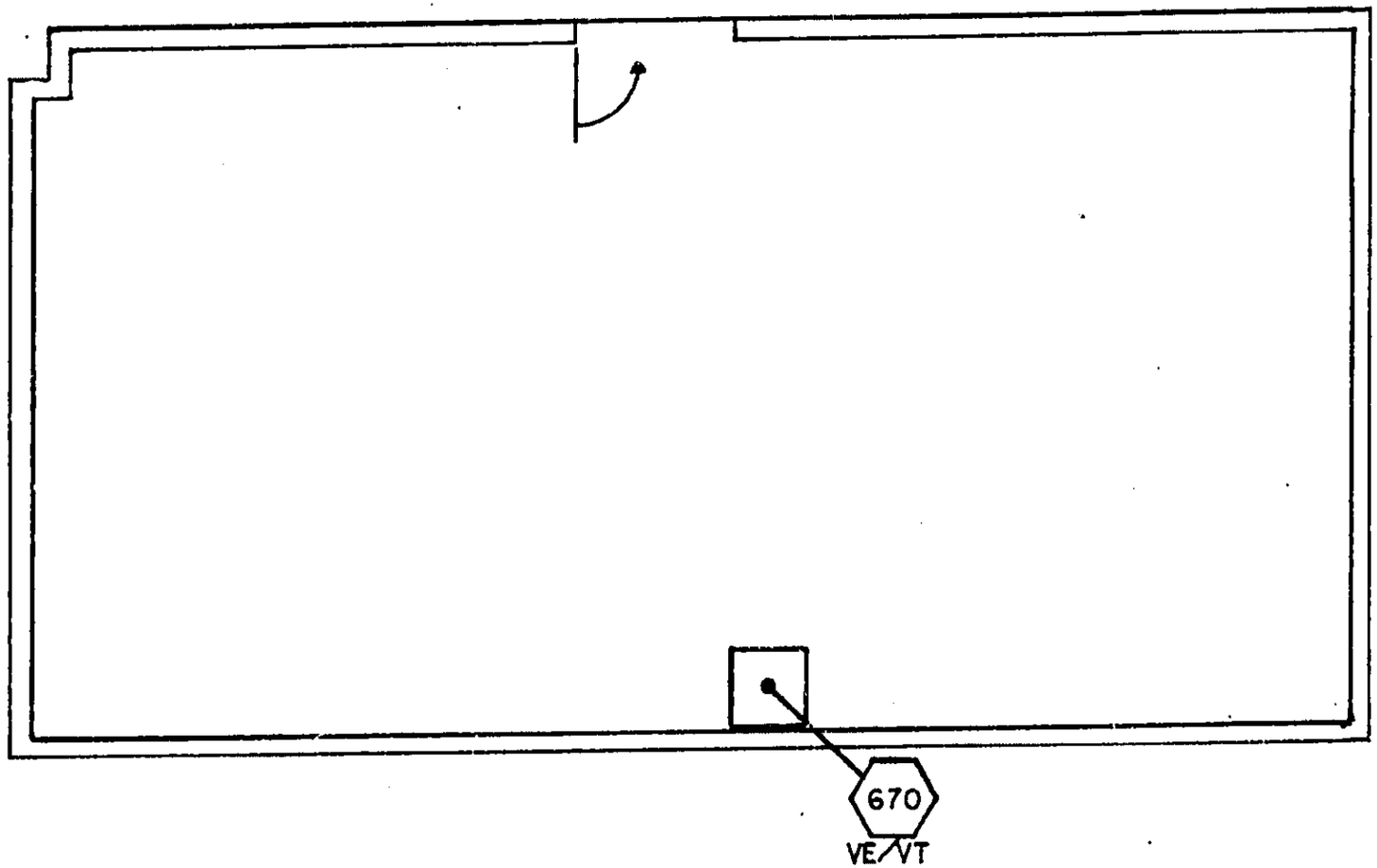
UDS FORM S C/C
JULY 70

1. CLASSIFICATION: _____

1. CLASSIFICATION: _____

(PAGE TITLE) SECTION B-6 OTV LOCATIONS			2. REPLACES PAGE (S) DATED N/A	3. PAGE NO. B-6-17
				4. DATE 06-01-81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 10
10. LOCATION LCC-ROOM 3P13				

11.

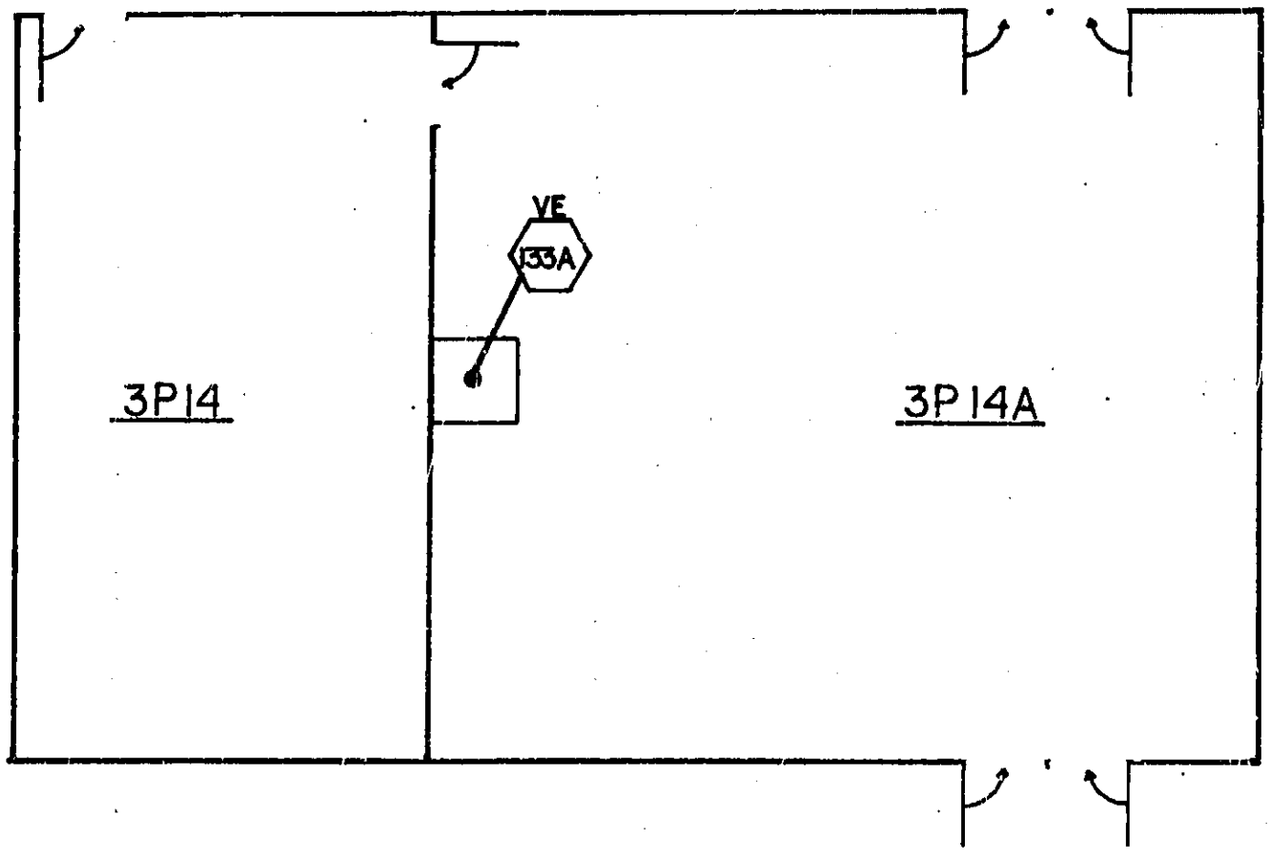


1. CLASSIFICATION: _____

(PAGE TITLE) SECTION B-6 OTV LOCATIONS			2. REPLACES PAGE (S) N/A DATED	3. PAGE NO. B-6-18
				4. DATE 06-01-81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 10

10. LOCATION LCC-ROOM 3P14 & 3P14A

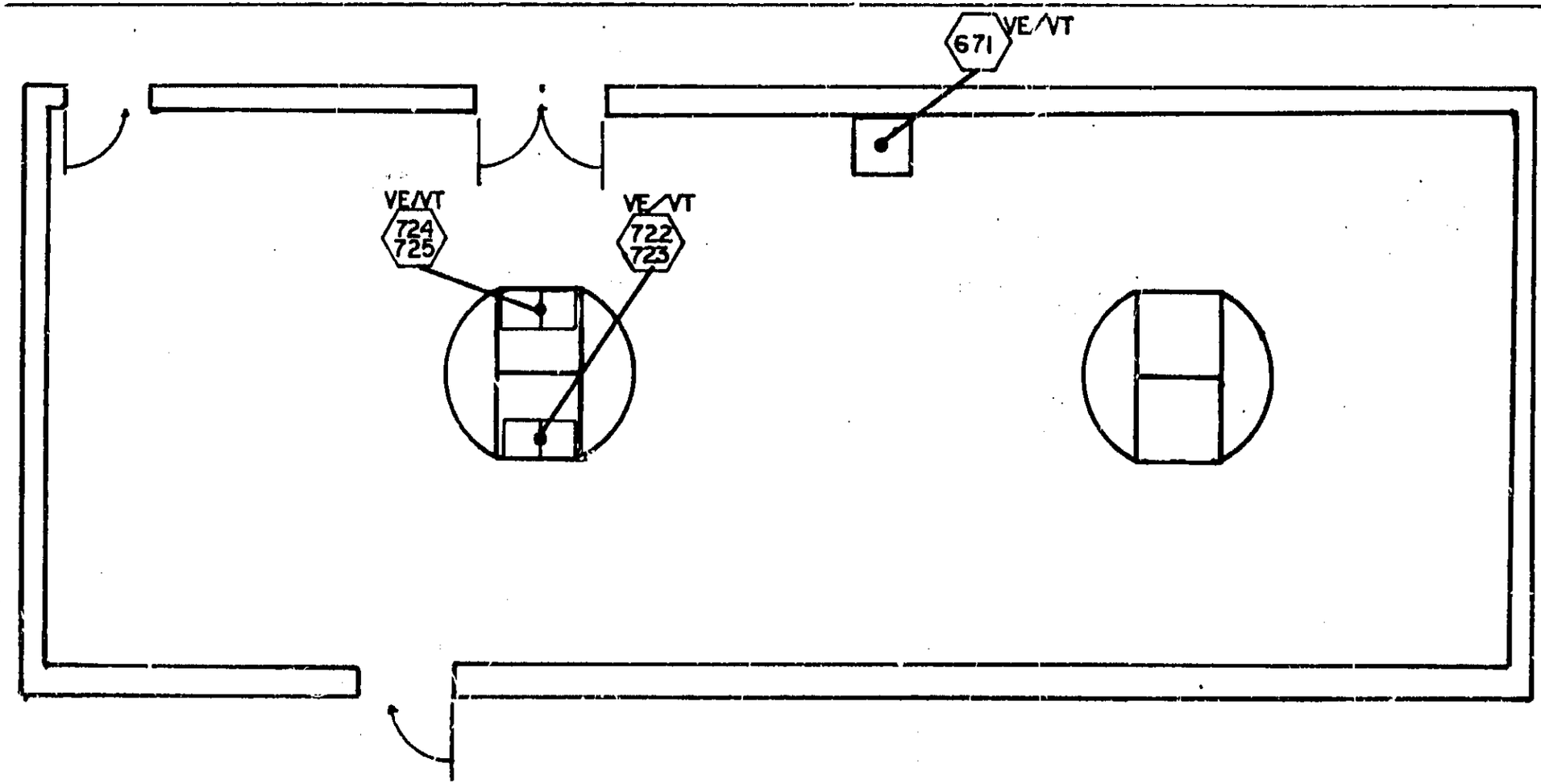
11.



1. CLASSIFICATION _____

(PAGE TITLE) SECTION B-6 OTV MONITORS			2. REPLACES PAGE (S) B-6-19 DATED 06-01-81	3. PAGE NO. B-6-19
				4. DATE 10-08-81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION LCC-ROOM 3P16				

11.



(R)

UDS FORM S G/C
JULY 70

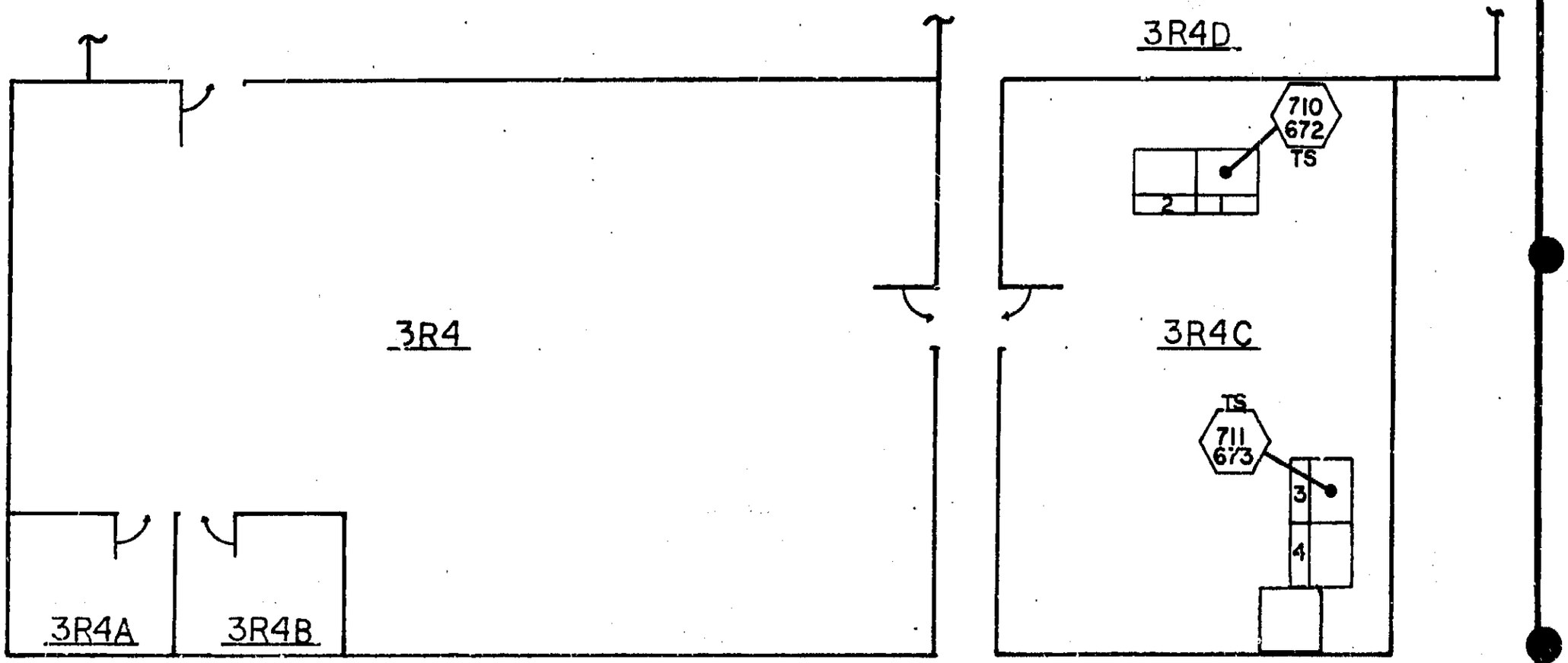
273

1. CLASSIFICATION _____

1. CLASSIFICATION: _____

(PAGE TITLE) SECTION B-6 OTV LOCATIONS			2. REPLACES PAGE (S) N/A DATED	3. PAGE NO. B-6-20
				4. DATE 06-01-81
5. PROGRAM TITLE FEDP-81	6. ITEM NO.	7. TEST CODE	8. PROGRAM NO.	9. REVISION NO. 10
10. LOCATION LCC-ROOM 3R4, 3R4A, 3R4B, 3R4C, 3R4D				

11.



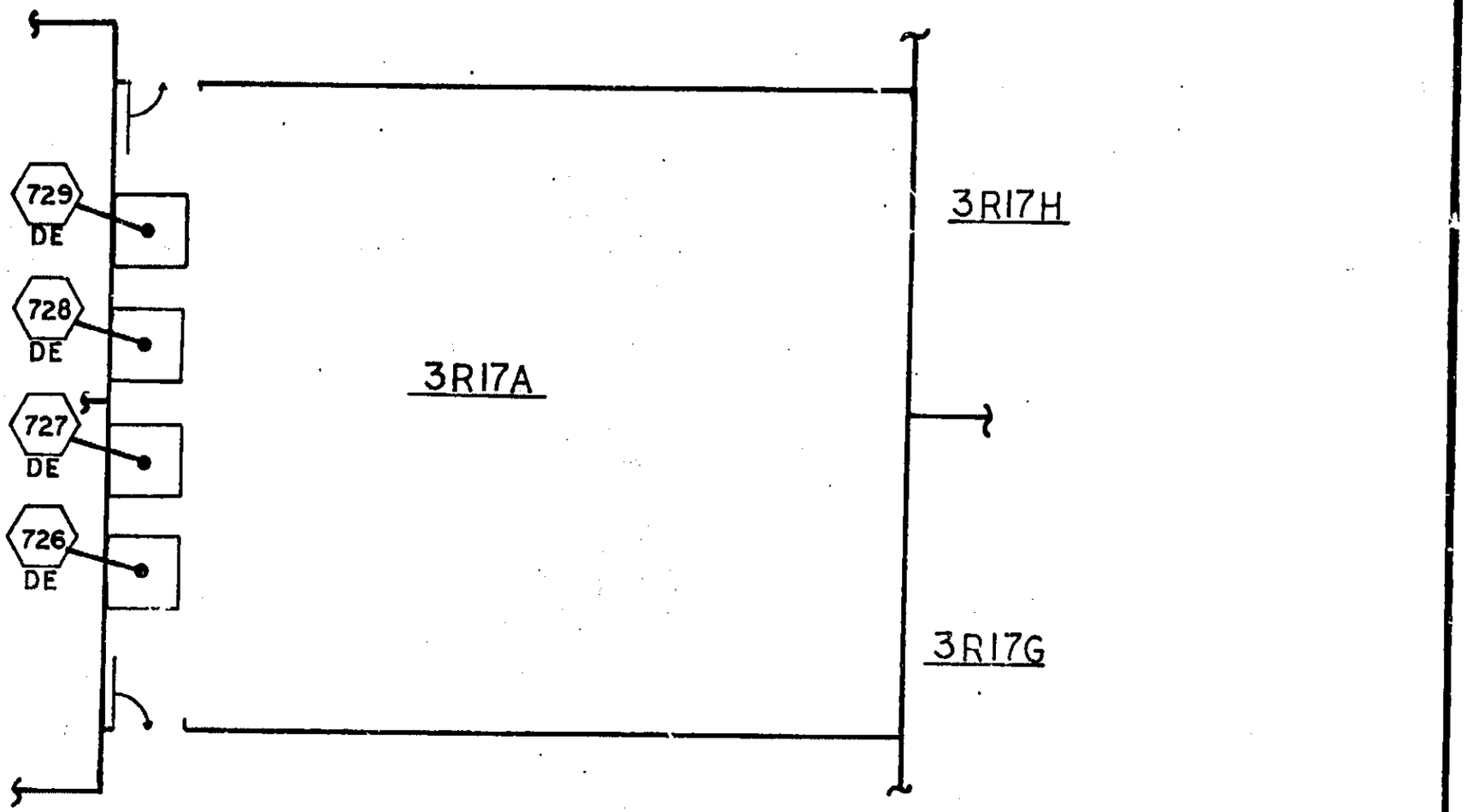
UDS FORM S G/C
JULY 70

274

1. CLASSIFICATION: _____

(PAGE TITLE) SECTION B-6 OTV LOCATIONS			2. REPLACES PAGE (S) DATED N/A	3. PAGE NO. B-6-21
				4. DATE 06-01-81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 10
10. LOCATION LCC-ROOM 3R17A				

11.

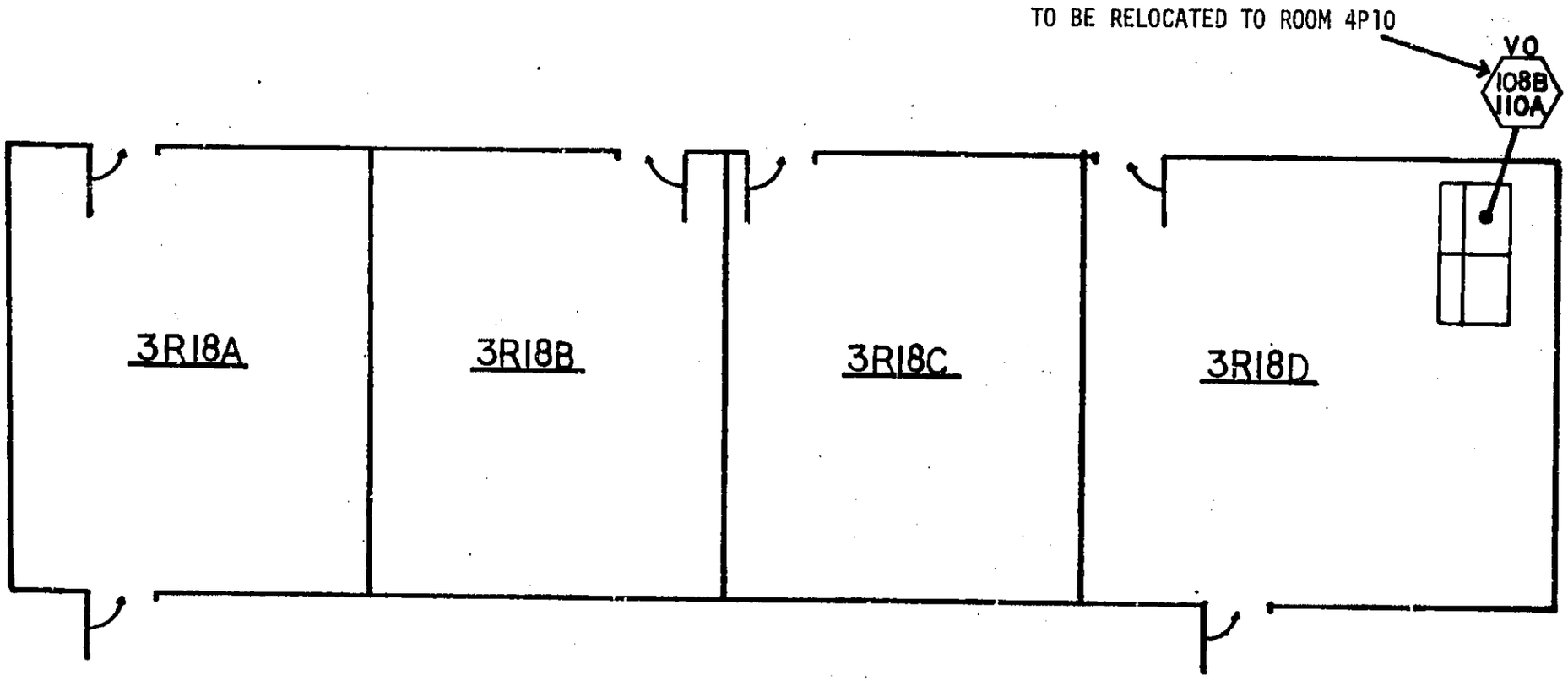


R

1. CLASSIFICATION

(PAGE TITLE) SECTION B-6 OTV MONITORS			2. REPLACES PAGE (S) B-6-22 DATED 06-01-81	3. PAGE NO. B-6-22
				4. DATE 10-08-81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION LCC-ROOM 3R18A, B, C, D				

11.



R

UDS FORM S G/C
JULY 70

214

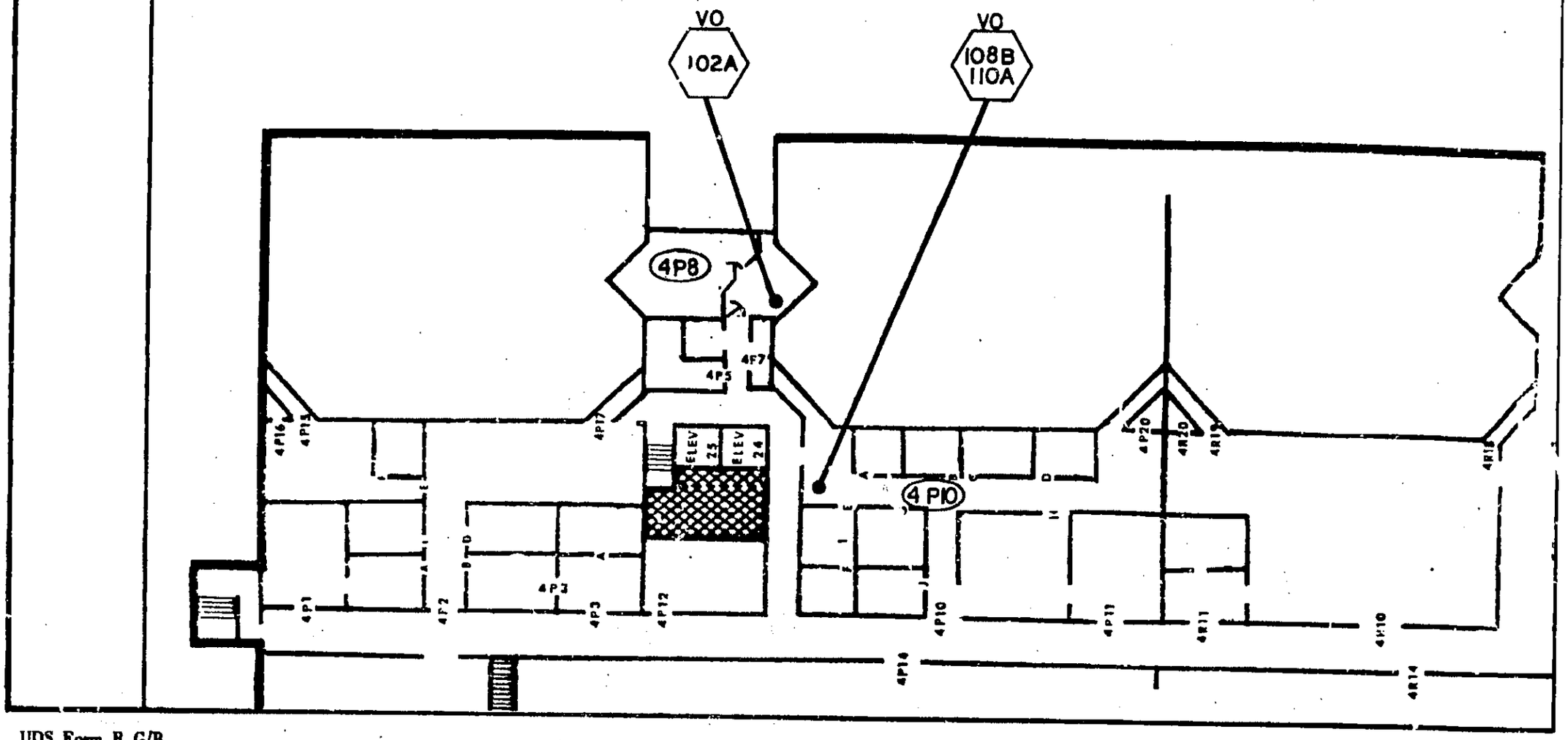
1. CLASSIFICATION

1 CLASSIFICATION

(PAGE TITLE) SECTION B-6 OTV MONITORS FEDP-81	2. REPLACES PAGE IN ADDED DATED	3. PAGE NO. B-6-22.1
		4. DATE 10-08-81
5. PROGRAM TITLE LCC- 4P8 & 4P10 / 9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11

8. ITEM NO.

10.



UDS Form R G/B
July 70

1 CLASSIFICATION

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-6 OTV MONITORS		2. REPLACES PAGE (S) DATED N/A	3 PAGE NO. B-6-23
			4. DATE 06-01-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION LETF & FCTB			

8. ITEM NO.	11. FACILITY	MONITOR #	USER	TYPE	LOCATION
	LETF	TC-1	TG	8 INCH	CONTROL ROOM BLDG. M7-505
	LETF	TC-2	TG	8 INCH	CONTROL ROOM BLDG. M7-505
	LETF	TC-3	TG	8 INCH	CONTROL ROOM BLDG. M7-505
	LETF	TC-4	TG	8 INCH	CONTROL ROOM BLDG. M7-505
	LETF	TC-5	TG	21 INCH (PORTABLE)	ETO SUPPORT ROOM
	FCTB	001A	DL	8 INCH	CONSOLE 1018 ROOM 169B
	FCTB	001B	DL	8 INCH	CONSOLE 1018 ROOM 169B
	FCTB	001C	DL	8 INCH	CONSOLE 1025 ROOM 169B
	FCTB	001D	DL	8 INCH	CONSOLE 1025 ROOM 169B

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JULY 70

1. SUBJECT TITLE: LOC. TC-6 OTV MONITORS		2. REPLACES PAGE (S) DATED N/A	3. PAGE NO. B-6-24
			4. DATE 06-01-81
5. SUBJECT TITLE:	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION: SLF (LACB)			

8. SITE NO.

11. SLF (LACB)

MONITOR #	USER	TYPE	LOCATION	
N/A	TO	14 INCH	LACB ROOM 5 CONSOLE 001 (WEATHER VISION)	
N/A	TO	9 INCH	LACB ROOM 5 (MSBLS)	R
N/A	TO	9 INCH	LACB ROOM 5 (MSBLS)	R

PAGE TITLE: SECTION B-6 - OTV MONITORS		2. REPLACES PAGE (S) B-6-25 DATED: 06-01-81	3. PAGE NO. B-6-25
			4. DATE 10-08-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION: MISC			

8. ITEM NO.

11.

TV MONITORS ARE REQUIRED IN SELECTED KSC HEADQUARTERS, O&C CONFERENCE ROOMS, AND VIEWING AREAS FOR USE BY CENTER MANAGEMENT PERSONNEL TO OBSERVE SHUTTLE TESTING, LAUNCH, LANDING AND POST LANDING OPERATIONS.

LOCATION	ROOM NO.	QTY
KSC HEADQUARTERS	3201	3* PORTABLE
	4TH FLOOR	3* PORTABLE
O&C	1054	1* MON/RCVR (12") C.
	1055	1* PORTABLE
	2004	1* RCVR (25")
	2042	1* MON/RCVR (19") C.
	2046	1* RCVR (25")
	3121	1* MON (23")
	3267	1* MON/RCVR (25") C.
		2* ASTRONAUT QUARTERS (17" MON)
	3277	3* ASTRONAUT QUARTERS RCVRS (19") C.
	4286	2* (21" MON)
		1* MON/RCVR (25") C.
		1* MON/RCVR (12") C.

R

*INSTITUTIONAL SUPPORT

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-6 OTV SWITCHERS		2. REPLACES PAGE (S) DATED N/A	3. PAGE NO. B-6-26
			4. DATE 06-01-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION: LCC			

8. ITEM NO.	11. OTV SWITCHERS

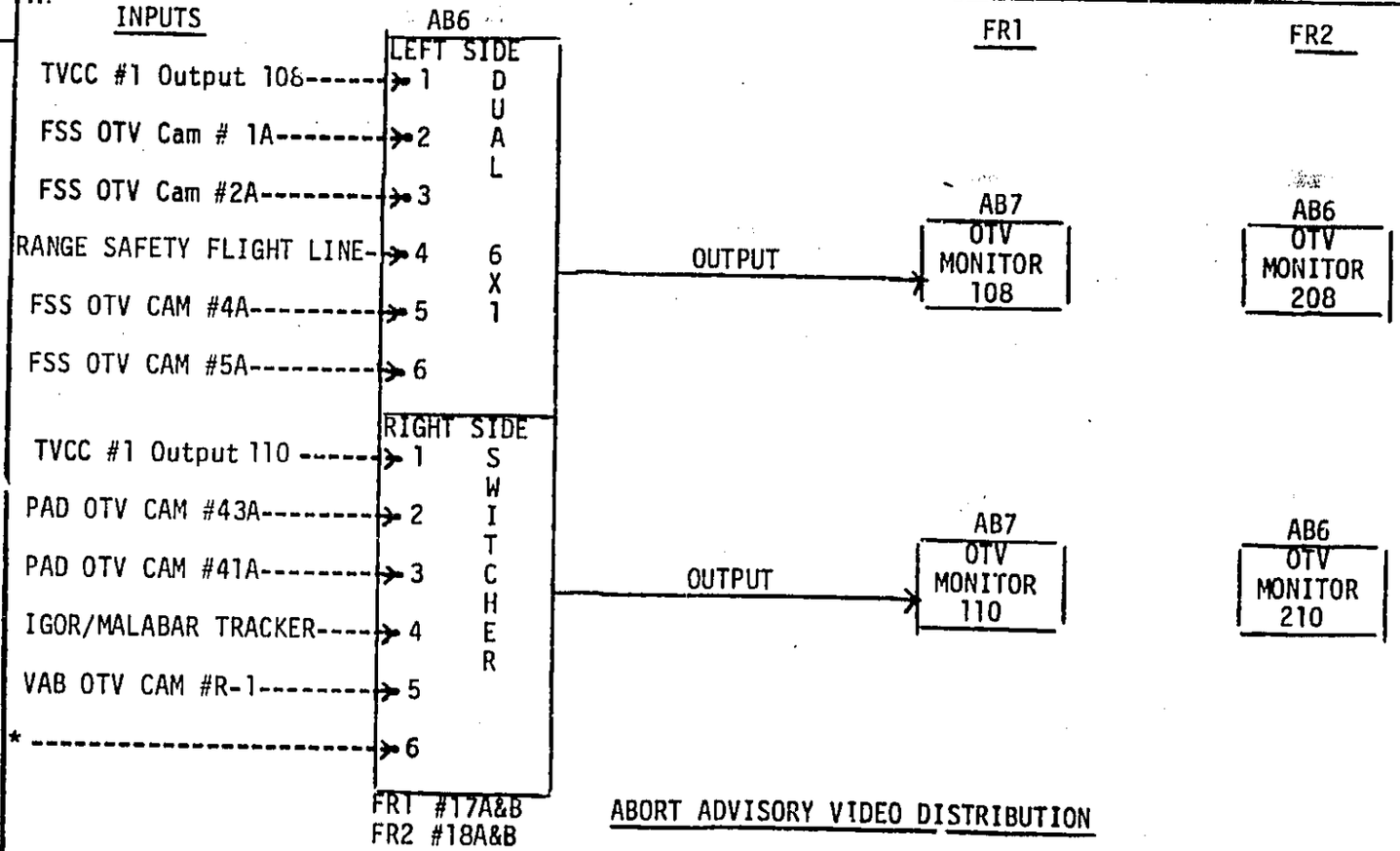
UDS FORM S G/B
JULY 70

1. CLASSIFICATION _____

(PAGE TITLE) SECTION B-6 OTV SWITCHERS (AAS)	2. REPLACES PAGE (S) B-6-27 DATED 06-01-81	3. PAGE NO. B-6-27
		4. DATE 10-08-81
5. PROGRAM TITLE FEDP-81	9. TEST CODE	6. PROGRAM NO.
		7. REVISION NO. 11
10. LOCATION LCC FR1 & FR2		

8. ITEM NO

11.



ABORT ADVISORY VIDEO DISTRIBUTION

*SPECIFIC INPUT WILL BE IDENTIFIED BY REQUIREMENT DOCUMENTATION.

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R
R
R

1. CLASSIFICATION _____

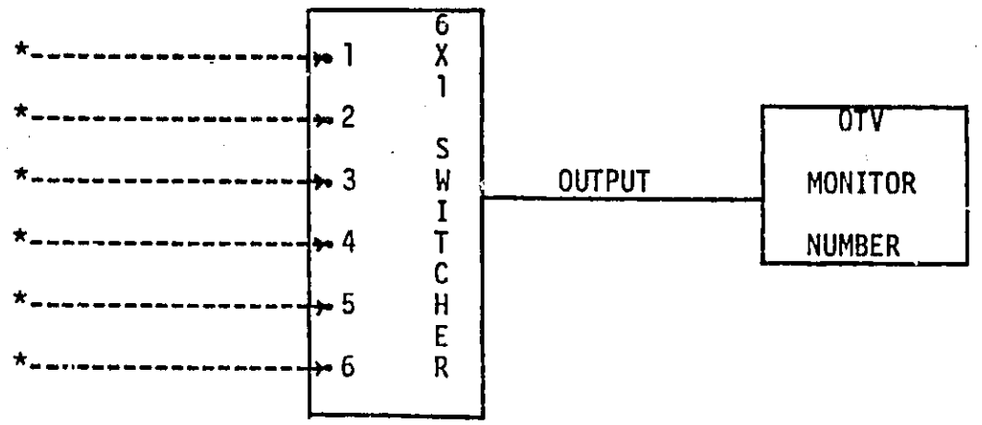
(PAGE TITLE)	3. REPLACES PAGE (S)	8. PAGE NO.
SECTION B-6 OTV SWITCHERS (6X1)	B-6-28 DATED 06-01-81	B-6-28
		4. DATE 10-08-81
5. PROGRAM TITLE FEDP-81 / 9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION LCC FR1 and FR2		

8. ITEM NO

11.

TYPICAL

SW. #____



FR1			FR2			
SW. #	CONSOLE	MONITOR	SW. #	CONSOLE	MONITOR	
1	BETWEEN BC4 & 5	142	7	BE14	242	R
2	BC4	144	8	BE16	244	R
3	BC6	146	9	BC6	246	
4	BC8	148	10	BC8	248	
5	BC10	150	11	BE22	250	R
6	BETWEEN BC10&11	152	12	BE24	252	R
13	BA10	958	15	BA10	458	R
14	BA12	959	16	BA12	459	R
17A	AB6	108	18A	AB7	208	
17B	AB6	110	18B	AB7	210	
19	BEHIND AA1	964				

R R

* Specific inputs will be identified by Requirement Documentation.

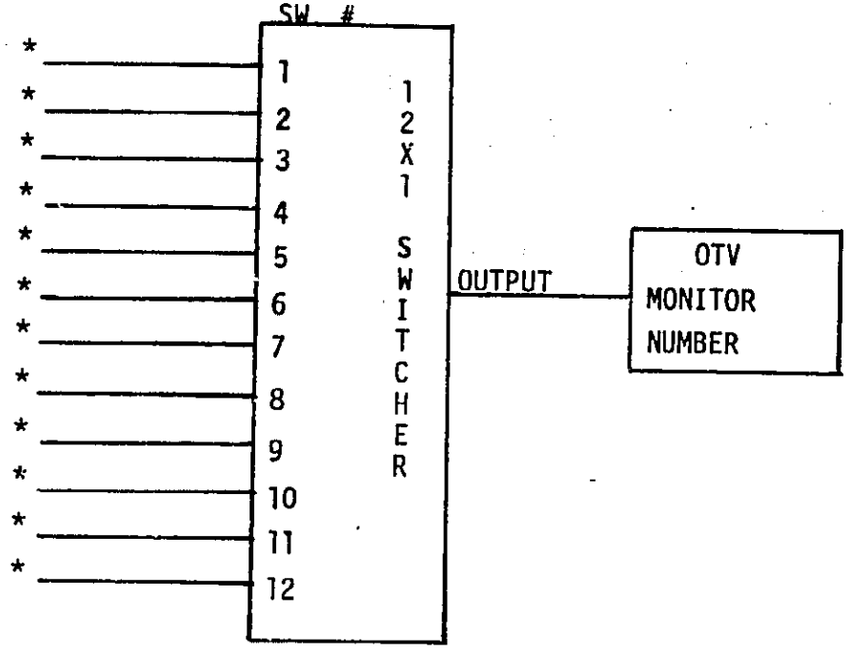
1 CLASSIFICATION

(PAGE TITLE)		2. REPLACES PAGE (S)	3. PAGE NO.
SECTION B-6 OTV SWITCHERS (12X1)		ADDED DATED	B-6-28.1
5. PROGRAM TITLE	9. TEST CODE	6. PROGRAM NO.	4. DATE 10-08-81
FEDP-81			7. REVISION NO. 11

8. ITEM NO.

10

TYPICAL SW. #



FR4

SW. #	CONSOLE	MONITOR(OUTPUT)
1	RK 5A3	SW. 2 IN
2	RK 5A4	1TVM9008
3	AB9	SW. 4 IN
4	AB9	816
5	AA4	825
6	AA5	826
7	AA5	829
8	AA6	830

* Specific inputs will be identified by Requirement Documentation

1. DESCRIPTION R-SM-10.2.81

SECTION B-6 OTV SWITCHERS (GO & IOC)		2. REPLACES PAGE (S) DATED N/A	3. PAGE NO. B-6-29
			4. DATE 06-01-81
5. [illegible] TITLE: LDP-81	9. TLST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION: LOC			

8. ITEM NO.	11.
	The Design of the OTV Switcher Outputs will not preclude the use of a Second OTV Switcher for the Operational Phase. Time Frame of a Second Switcher is when Pad B is Operational.

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-6 - OTV SWITCHERS (TVCC #1 INPUT CONFIGURATION)		2. REPLACES PAGE (S) DATED N/A	3. PAGE NO. B-6-29.1
			4. DATE 06-01-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION LCC			

8. ITEM NO.

11.

SW. IN. #	INPUT	SW. IN. #	INPUT	SW. IN. #	INPUT	
01	CAMERA 1A	21	CAMERA 21A	41	CAMERA 41A	R
02	CAMERA 2A	22	CAMERA 22A	42	CAMERA 42A	
03	CAMERA 3A	23	CAMERA 23A	43	CAMERA 43A	
04	CAMERA 4A	24	CAMERA 24A	44	CAMERA 44A	
05	CAMERA 5A	25	CAMERA 25A	45	CAMERA 45A	
06	CAMERA 6A	26	CAMERA 26A	46	CAMERA 46A	
07	CAMERA 7A	27	CAMERA 27A	47	CAMERA 47A	
08	CAMERA 8A	28	1TVC2077	48		R
09	CAMERA 9A	29	CAMERA R1	49	CAMERA 49A	
10	CAMERA 10A	30	CAMERA R2	50	CAMERA 50A	
11	CAMERA 11A	31	CAMERA 31A	51	CAMERA 51A	
12	CAMERA 12A	32	CAMERA 32A	52	CAMERA 52A	
13	CAMERA 13A	33	CAMERA 33A	53	CAMERA 53A	
14	CAMERA 14A	34	CAMERA 34A	54	CAMERA 54A	
15	CAMERA 15A	35	CAMERA 35A	55	CAMERA 55A	
16	CAMERA 16A	36	CAMERA 36A	56	CAMERA 56A	
17	CAMERA 17A	37	CAMERA 37A	57	1TVM2104	R
18	CAMERA 18A	38	CAMERA 38A	58	CAMERA 58A,V,P	R
19	*	39	CAMERA 39A	59	CAMERA 59A,V,P	R
20	CAMERA 20A	40	CAMERA 40A	60	CAMERA 60A,V,P	R

* RCDR. PLAYBACK
ASTRONAUT INGRESS/EGRESS
EMERG. SEQ

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JULY 70

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1. CLASSIFICATION K-SM-10.2.01

PAGE TITLE: SECTION B-6 - OTV SWITCHERS (TVCC #1 OUTPUT CONFIGURATION)		2. REPLACES PAGE (S) DATED N/A	3. PAGE NO. B-6-29.2
			4. DATE 06-01-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION LCC			

8. ITEM NO.

11.

SW. OUT. #	DISTRIBUTION	SW. OUT. #	DISTRIBUTION	SW. OUT #	DISTRIBUTION	SW. OUT #	DISTRIBUTION
01	MON 101	26	MON 126	51	MON 151	76	1TVM2097 TO KSCNF
02	MON 102	27	MON 127	52	MON 152	77	1TVM2098 TO KSCNF
03	MON 103	28	EMERG. OUT	53	MON 153	78	1TVM2099 TO KSCNF
04	MON 104	29	MON 129	54	MON 154	79	EMERG. OUT
05	MON 105	30	MON 130	55	MON 155	80	EMERG. OUT
06	MON 106	31	MON 131	56	MON 156	81	MON 181
07	MON 107	32	MON 132	57	MON 157	82	MON 682
08	MON 108	33	MON 133	58	MON 158	83	MON 683
09	MON 109	34	MON 134	59	MON 159	84	MON 684
10	MON 110	35	MON 135	60	MON 160	85	MON 685
11	MON 111	36	MON 136	61	MON 161	86	MON 686
12	MON 112	37	MON 137	62	MON 162	87	MON 687
13	MON 113	38	MON 138	63	MON 163	88	MON 688
14	MON 114	39	MON 139	64	MON 164	89	MON 689
15	MON 115	40	MON 140	65	MON 165	90	MON 690
16	MON 116	41	MON 141	66	MON 166	91	MON 691
17	MON 117	42	MON 142	67	EMERG. OUT	92	MON 692
18	MON 118	43	MON 143	68	MON 668	93	MON 693
19	MON 119	44	MON 144	69	MON 669	94	MON 694
20	MON 120	45	MON 145	70	MON 670	95	MON 695
21	EMERG. OUT	46	MON 146	71	MON 671	96	1TVM2038
22	MON 122	47	MON 147	72	MON 672	97	1TVM2039
23	MON 123	48	MON 148	73	MON 673	98	EMERG RECORD
24	MON 124	49	MON 149	74	OMR/OSR	99	EMERG RECORD
25	MON 125	50	MON 150	75	OMR/OSR	100	TVCC #1 PROGRAM MON

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-6 OTV CAMERAS		2. REPLACES PAGE (S) DATED N/A	3. PAGE NO. B-6-3C
			4. DATE 06-01-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION: LCC			

8. ITEM NO.	11. OTV CAMERAS

UDS FORM S G/B
JULY 70

1. PAGE TITLE: SECTION B-6 - PAD TV CAMERAS	2. REPLACES PAGE (S) DATED N/A	3. PAGE NO. B-6-31
5. PROGRAM TITLE: FCDP-81	6. PROGRAM	4. DATE 06-01-81
		7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. CAMERA #	11. SUBJECT TO BE VIEWED	12. LOCATION	13. PERIOD	14. PURPOSE AND REMARKS
		1A	PAD AREAS, TPS, ET NOSE LOX VENT AAS SST COVERAGE AT LIFTOFF	255' FSS		
		2A	AAS SST COVERAGE AT LIFTOFF (FIXED-NO PAN & TILT)	255' FSS		
		3A	GH2 VENT ARM, ET INTERFACES AND TPS	215' FSS		
		4A	CABIN INGRESS/EGRESS OAA DURING ROTATION	215' FSS		
		5A	INTERIOR OF WHITE ROOM, ORBITER CREW HATCH	195' FSS		
		6A	EMERGENCY EGRESS ROUTE	195' FSS		
		7A	LH2 DEWAR AND GSE	155' FSS		
		8A	LOX DEWAR AND GSE	155' FSS		
		9A	HYPER GSE LINES, TPS, ET LH2 FEEDLINE, RECIRCULATION LINE, GH2 PRESSURIZATION LINE, ET/ORBITER LH2 INTERFACE	115' FSS		
		10A	GH2 VALVE COMPLEX	203' FSS		
		11A	HYPER OX, SCRUBBER	75' FSS		

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-6 PAD OTV CAMERAS	2. REPLACES PAGE (S) DATED N/A	3. PAGE NO. B-6-32
		4. DATE 06-01-81
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. CAMERA #	11. SUBJECT TO BE VIEWED	12. LOCATION	13. PERIOD	14. PURPOSE AND REMARKS
		12A	HYPER FUEL SCRUBBER	75' FSS		
		13A	RCS VALVE COMPLEX (FUEL)	207' RSS		
		14A	RCS VALVE COMPLEX (OX.)	207' RSS		
		15A	FRCS UMB. (FUEL)	207' RSS		
		16A	FRCS UMB. (OX)	207' RSS		
		17A	RSS WORK PLATFORM (PAYLOAD) PORTABLE CAMERA	158'5" RSS		
		18A	RSS WORK PLATFORM (PAYLOAD) PORTABLE CAMERA	185'5" RSS		
		19A	NA	NA		
		20A	CRYO FLEX LINES I/F	158' RSS (HINGE POINT)		
		21A	OMBUU UMBILICAL CARRIER INTERFACE (FIXED-NO PAN & TILT)	167' RSS		
		22A	OMBUU LOX AND LH2 ACCUM./ VALVE COMPLEX (MID LEVEL)	158' RSS		
		23A	HYPER RCC/OMS (FUEL PORTABLE CAMERA)	107' RSS		

2 90

UDS FORM R 232
JULY 70

PAGE TITLE: SECTION B-6 - PAD OTV CAMERAS	2. REPLACES PAGE (S) DATED N/A	3. PAGE NO. B-6-33
		4. DATE 06-01-81
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. CAMERA #	11. SUBJECT TO BE VIEWED	12. LOCATION	13. PERIOD	14. PURPOSE AND REMARKS
		24A	HYPER RCS/OMS (OX) PORTABLE CAMERA	107' RSS		
		25A	RCS/OMS UMB. (FUEL)	107' RSS		
		26A	RCS/OMS UMB. (OX)	107' RSS		
		27A	HYPER FLEX LINES	95' RSS (HINGE POINT)		
		28A	NA	NA		
		29A	NA	NA		
		30A	NA	NA		
		31A	LH2 FUEL/VENT LINE TRENCH AREA	PAD N.E.		
		32A	HYPER LINES, ET CABLE TRAY GO2 PRESSURE LINE, GO2 VENT LH2 CROSS COUNTRY LINE	PAD E		
		33A	T-0 EVENTS OF ANTIGEYSERING AND TPS SCAN ET/ORB INTERFACES	PAD S.E.		
		34A	HYPER OX C.C. LINE, ET GO2 VENT, PYRO TUMBLE VALVE	PAD S.E.		

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-6 - PAD OTV CAMERAS	2. REPLACES PAGE (S) DATED N/A	3. PAGE NO. B-6-34
		4. DATE 06-01-81
	6. PROGRAM	7. REV. NO. 10
5. PROGRAM TITLE: FEDP-81		

8. ITEM NO.	9. TEST CODE	10. CAMERA #	11. SUBJECT TO BE VIEWED	12. LOCATION	13. PERIOD	14. PURPOSE AND REMARKS
		35A	HYPER FUEL C.C. LINE AND 95' FLEX LINE AREA	PAD S.W.		
		36A	ET VENT LINE ON WEST SIDE OF PAD AND UP SSAT	20' PAD N.W. STAIRS		
		37A	LOX DISCONNECT TOWER, FLAME DEFLECTOR, LH2 PIPE BRIDGE	PAD N.W.		
		38A	LH2 FACILITY STORAGE TANK, VALVES, CC LINES	PERIM. LH2 AREA		
		39A	LH2 FACILITY STORAGE TANK, VALVES, LINES REPLENISHMENT AREA	PERIM. LH2 AREA		
		40A	LH2 FACILITY STORAGE TANK, VALVES, LINES	PERIM. LH2 AREA		
		41A	PHOTO TRACKER BORESITE	CAMERA SITE 2		
		42A	PHOTO TRACKER BORESITE	CAMERA SITE 6		
		43A	OVERALL, LIFTOFF	CAMERA SITE 2		
		44A	HYPER OX. STORAGE TANK AND VALVE COMPLEX	PERIM. OXIDIZER AREA		
		45A	HYPER FUEL STORAGE TANK AND VALVE COMPLEX	PERIM. FUEL AREA		

PAGE TITLE: SECTION B-6 - PAD OTV CAMERAS	2. REPLACES PAGE (S) DATED N/A	3. PAGE NO. B-6-35
		4. DATE 06-01-81
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. CAMERA #	11. SUBJECT TO BE VIEWED	12. LOCATION	13. PERIOD	14. PURPOSE AND REMARKS
		46A	LOX FACILITY STORAGE TANK, VALVES, CC LINES AND PUMPS	PERIM. LOX AREA		
		47A	LOX FACILITY STORAGE TANK, VALVES, LINES AND PUMPS	PEPIM. LOX AREA		
		48A	NA	NA		
		49A	SSME ENGINE NOZZLES AREA	MLP 0 LEVEL		
		50A	LH2 AFT UMBILICAL INTERFACE, APU EXHAUST NOS. 1 AND 2 AND MAIN ENGINE AREA	MLP SIDE ONE, ON WEST END OF BLAST SHIELD		
		51A	LO2 AFT UMBILICAL INTERFACE, APU EXHAUST NO. 3, AND MAIN ENGINE AREA	MLP SIDE ONE, ON EAST END OF BLAST SHIELD		
		52A	LO2 VALVE/PIPE SYSTEM	MLP SIDE ONE UNDER BLAST SHIELD NEAR LH2 TUNNEL		
		53A	LH2 VALVE/PIPE SYSTEM	MLP SIDE ONE, BLAST SHIELD NEAR LO2 TUNNEL		
		54A	ORBITER TO ET INTERFACE UNDERSIDE OF ORBITER WING AND TIPS	MLP SIDE FOUR ZERO LEVEL		

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-6 - PAD OTV CAMERAS	2. REPLACES PAGE (S) DATED N/A	3. PAGE NO. B-6-36
		4. DATE 06-01-81
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. CAMERA #	11. SUBJECT TO BE VIEWED	12. LOCATION	13. PERIOD	14. PURPOSE AND REMARKS
		55A	SRB SKIRT AND HOLDOWN, NORTH BRIDGE PIPING, LO2 TOWER, ET TOWER, & ET SIDEWALL	MLP SIDE THREE EAST END ZERO		
		56A	SRB SKIRT AND HOLDOWN, NORTH BRIDGE PIPING, LH2 TOWER, SSAT NORTH PIPING AND ET SIDEWALL	MLP SIDE THREE WEST END ZERO LEVEL		
		57A	NA	NA		
		58A	ORBITER COCKPIT DATA DISPLAY CRT #1	ORBITER AT PAD A		
		59A	ORBITER COCKPIT DATA DISPLAY CRT #2	ORBITER AT PAD A		
		60A	ORBITER COCKPIT DATA DISPLAY CRT #3	ORBITER AT PAD A		

UDS FORM R 232

PAGE TITLE: SECTION B-6 - OPF OTV CAMERAS				2. REPLACES PAGE (S) DATED N/A		3. PAGE NO. B-6-37
						4. DATE 06-01-81
5. PROGRAM TITLE: FEDP-81				6. PROGRAM		7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. CAMERA #	11. SUBJECT TO BE VIEWED	12. LOCATION	13. PERIOD	14. PURPOSE AND REMARKS
		58P	ORBITER COCKPIT DATA DISPLAY CRT #1	ORBITER		PORTABLE
		59P	ORBITER COCKPIT DATA DISPLAY CRT #2	ORBITER		PORTABLE
		60P	ORBITER COCKPIT DATA DISPLAY CRT #3	ORBITER		PORTABLE

PAGE TITLE: SECTION C-6 - PAD OTV CAMERAS	2. REPLACES PAGE (S) N/A DATED	3. PAGE NO. B-6-38
		4. DATE 06-01-81
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 10

R

8. ITEM NO.	9. TEST CODE	

LC 39 TV CAMERAS FOR E.T.

CAMERA #	SUBJECT TO BE VIEWED	LOCATION
1B	E.T.	255' FSS
3B	E.T.	215' FSS
7B	E.T.	155' FSS
9B	E.T.	95' FSS
32B	E.T.	PAD E.
34B	E.T.	PAD S.E.
36B	E.T.	20' PAD N.W. STAIRS
60B	E.T.	97' STRUT, WATER TOWER

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-6 - VAB CAMERAS	2. REPLACES PAGE (S) N/A DATED	3. PAGE NO. B-6-39
		4. DATE 06-01-81
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. CAMERA #	11. SUBJECT TO BE VIEWED	12. LOCATION	13. PERIOD	14. PURPOSE AND REMARKS
		58V	ORBITER COCKPIT DATA DISPLAY #1	ORBITER		PORTABLE
		59V	ORBITER COCKPIT DATA DISPLAY #2	ORBITER		PORTABLE
		60V	ORBITER COCKPIT DATA DISPLAY #3	ORBITER		PORTABLE
		R1	OVERALL LAUNCH AREA	ROOF N.W. CORNER		
		R2	OVERALL LAUNCH AREA	ROOF S.E. CORNER		
		V1	TRANSFER AISLE OPERATIONS	TOWER D, 5TH LEVEL CATWALK		
		HPG	CRAWLER OPERATIONS	K7-853		R

UDS FORM R 232
JULY 70

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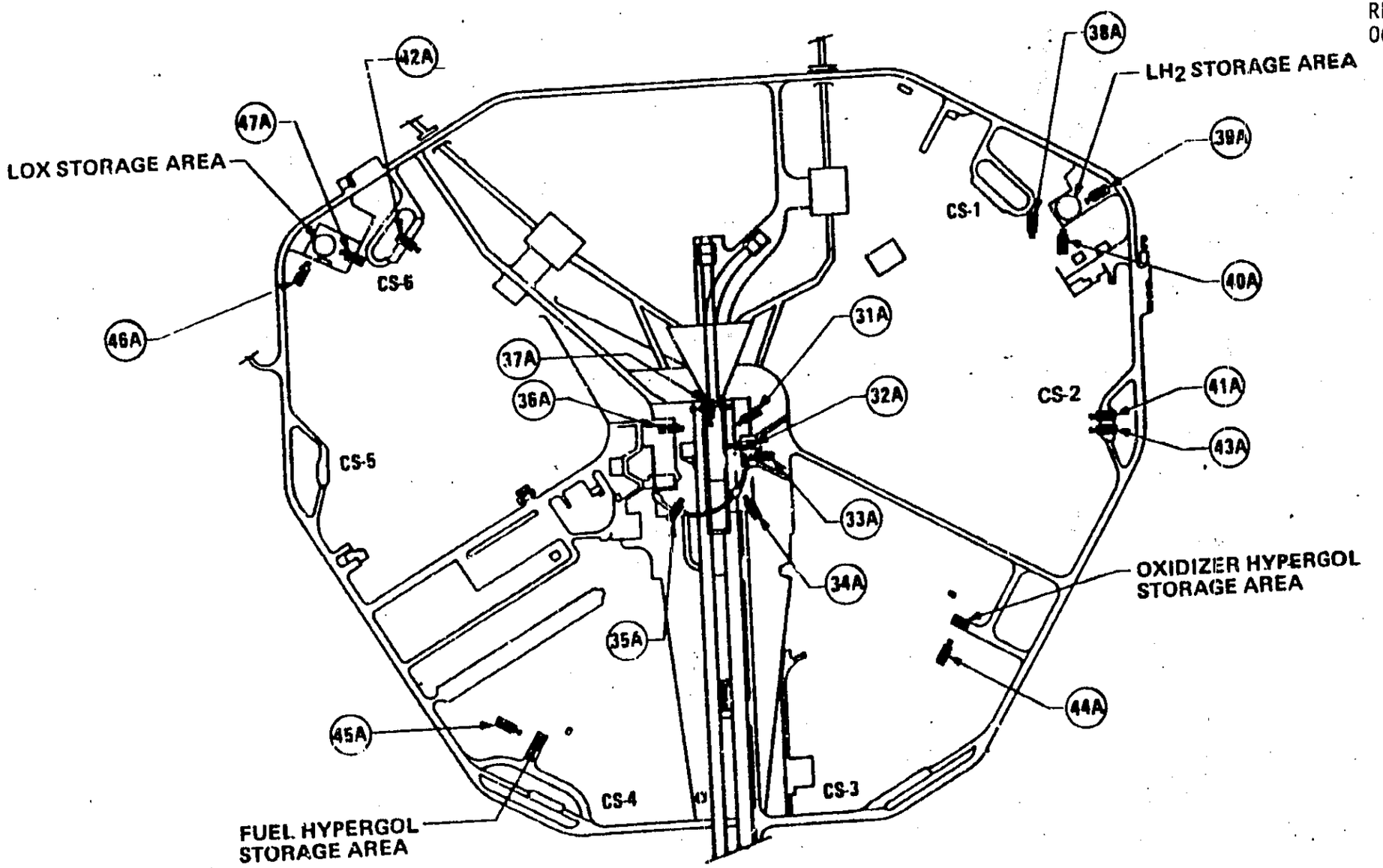
1. CLASSIFICATION _____

(PAGE TITLE) SECTION B-6 LACB CAMERAS	2. REPLACES PAGE (S) N/A DATED	3. PAGE NO. 2805 B-6-39.1
		4. DATE 06-01-81
5. PROGRAM TITLE FEDP-81	6. PROGRAM NO.	7. REVISION NO. 10

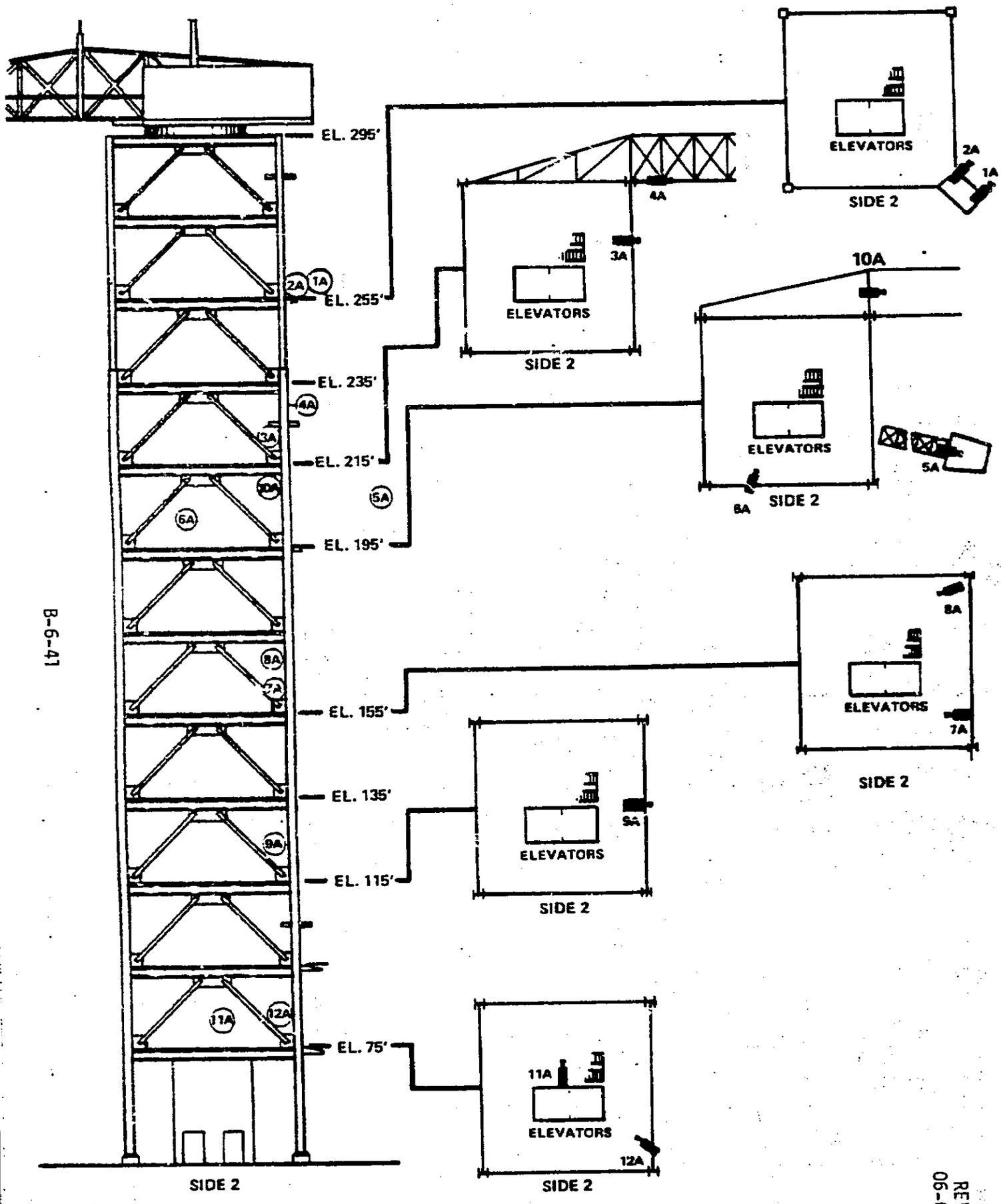
8. ITEM NO.	9. TEST CODE	10. CAMERA #	11. SUBJECT TO BE VIEWED	12. LOCATION	13. PERIOD	14. PURPOSE AND REMARKS
		N/A	MSBLS CONSOLE	LACB, RM 5		
		N/A	MSBLS CONSOLE	LACB, RM 5		

UDS FORM JULY 70 R 232

1. CLASSIFICATION _____



LC-39A PAD AND PERIMETER CAMERA LOCATIONS

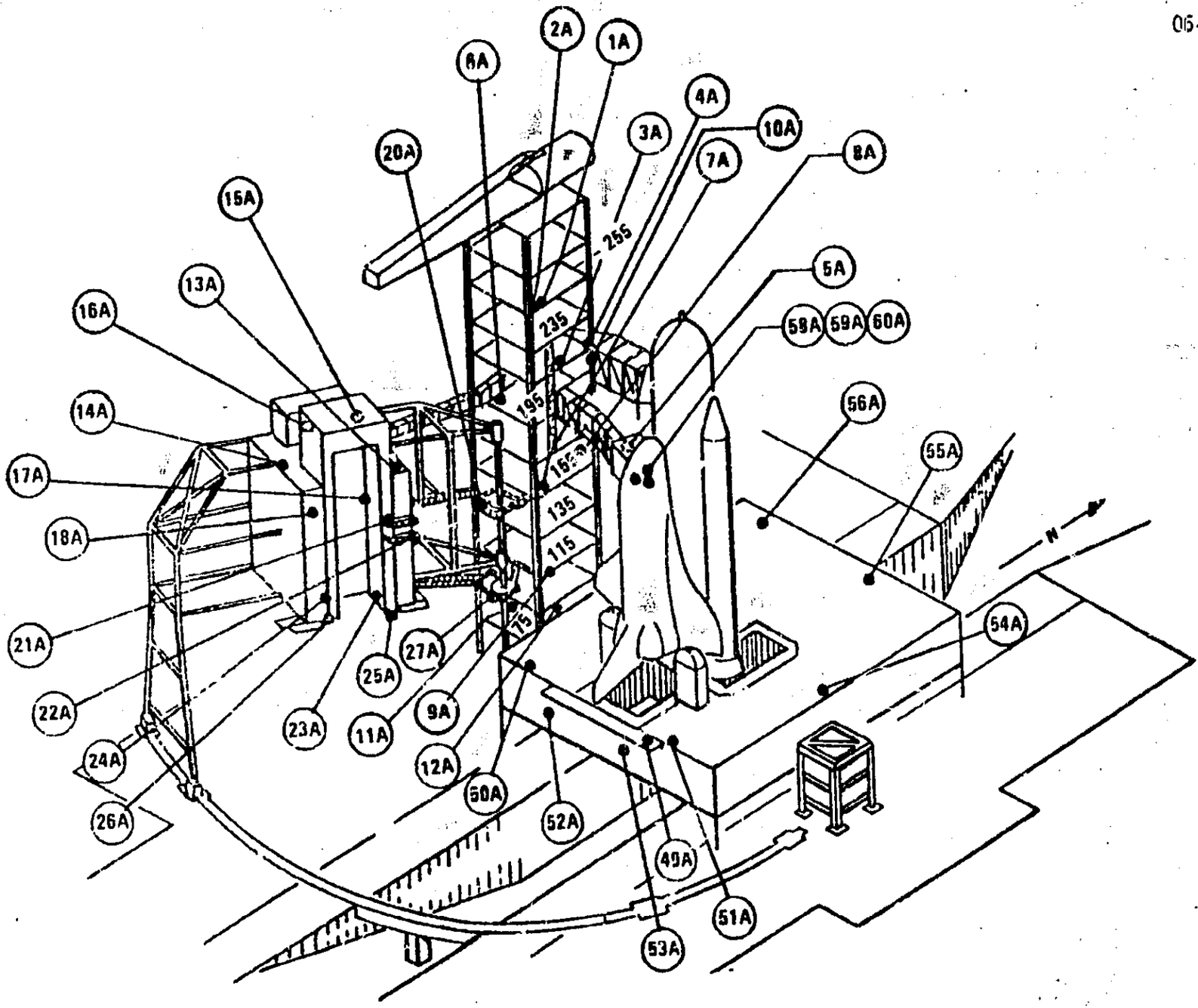


B-6-41

300

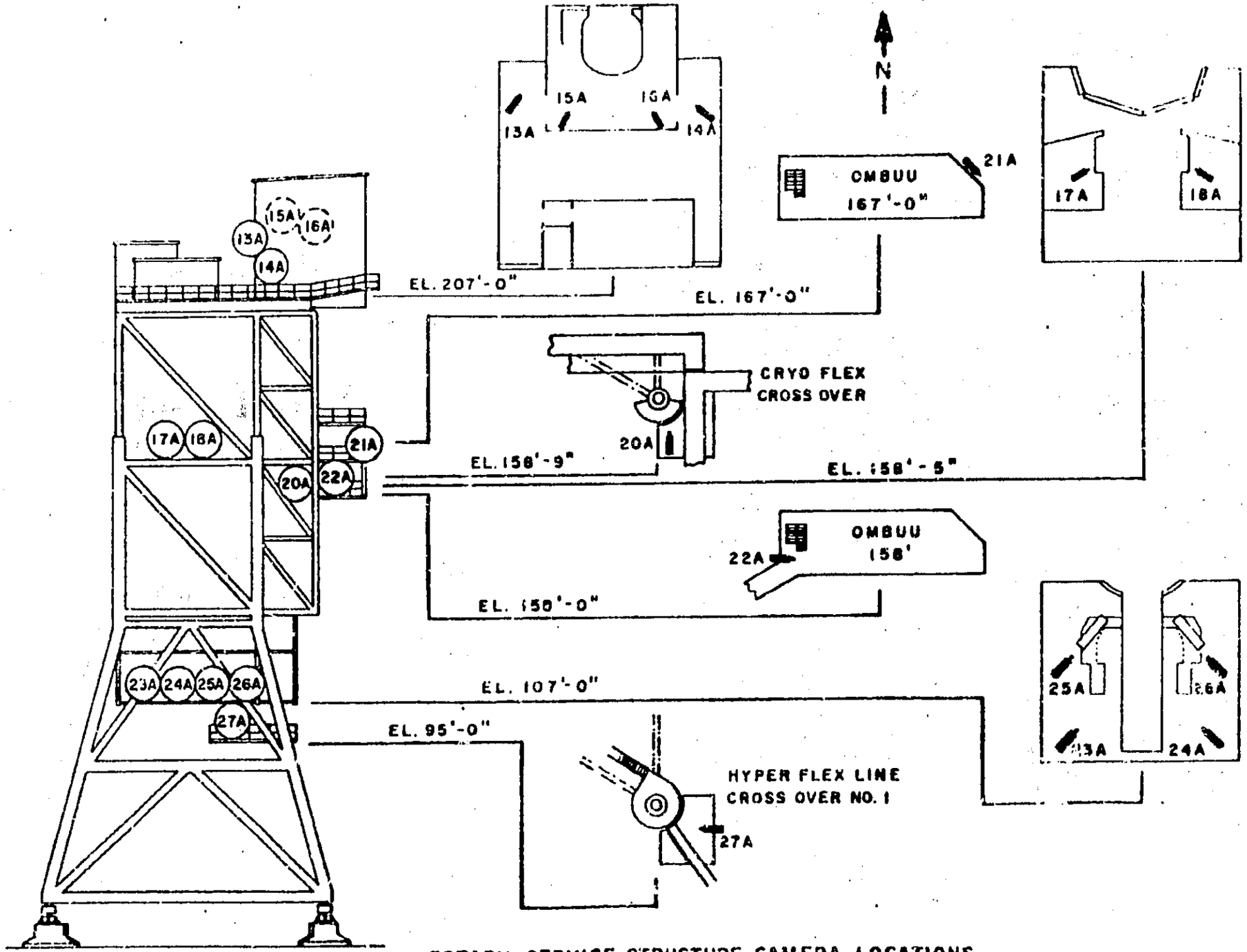
FIXED SERVICE STRUCTURE CAMERA LOCATIONS

REV. 10
06-01-81



MLP, FSS AND RSS CAMERA LOCATIONS, LC-39A
B-6-42

REV. 10
06-01-81

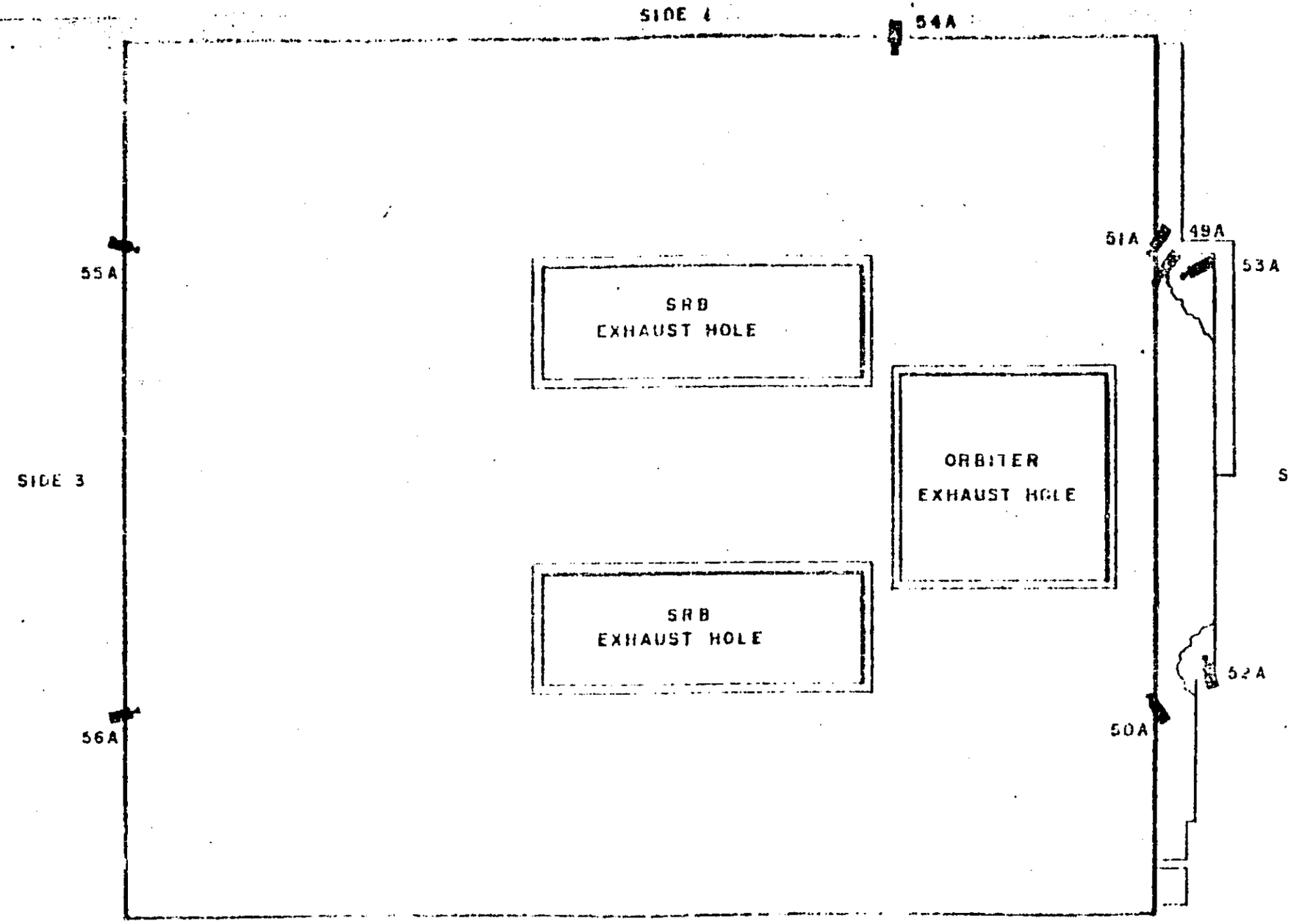


ROTARY SERVICE STRUCTURE CAMERA LOCATIONS

B-6-43

302

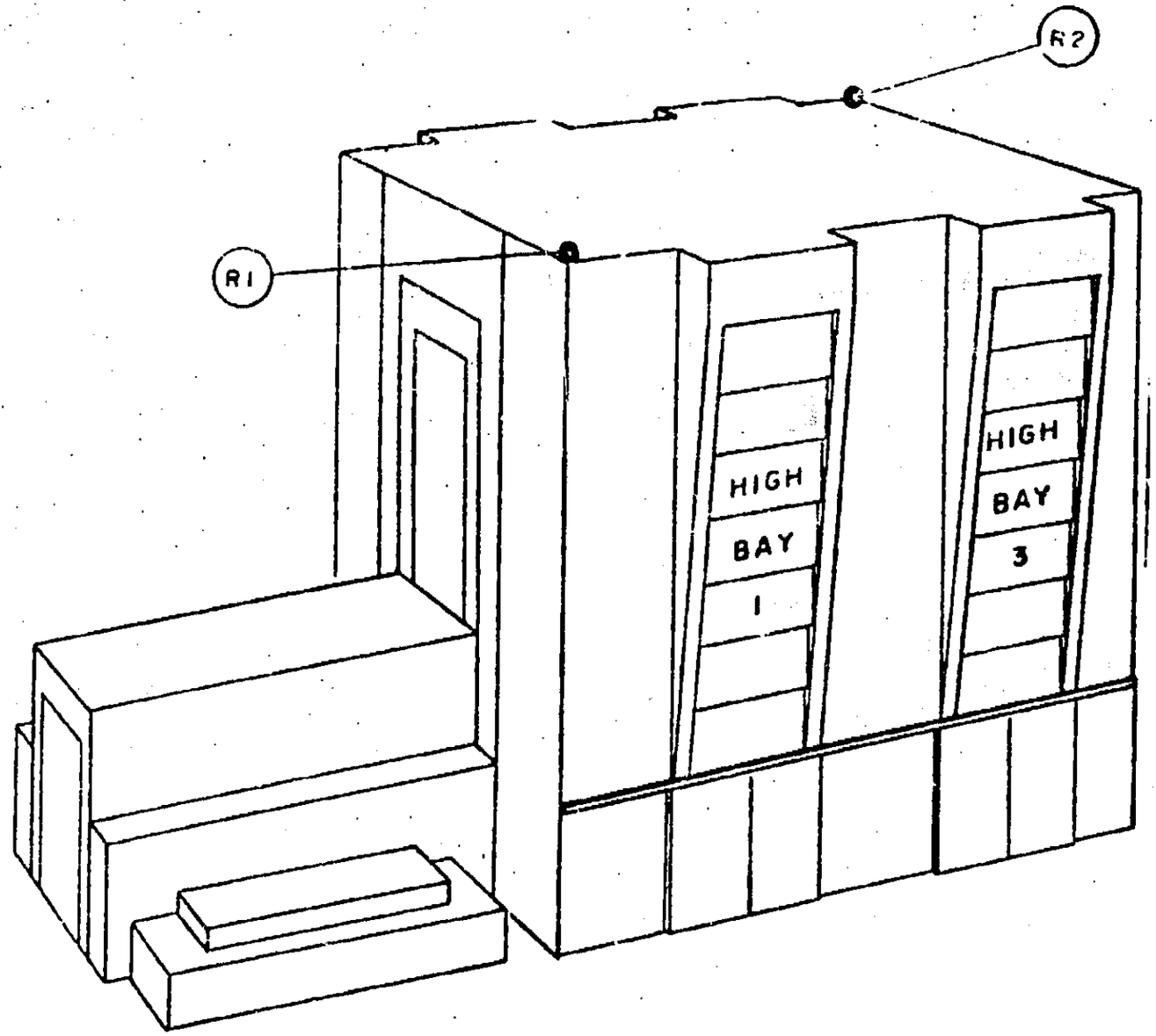
REV. 10
06-01-81



MLP CAMERA LOCATIONS

B-6-44

REV. 10
06-01-81



VEHICLE ASSEMBLY BUILDING CAMERA LOCATIONS

B-6-45

30 of

PAGE TITLE: SECTION B-6 - LETF CAMERAS	2. REPLACES PAGE (S) N/A DATED	3. PAGE NO. B-6-46
		4. DATE 06-01-81
5. PROGRAM TITLE: STDP-81	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. CAMERA #	11. SUBJECT TO BE VIEWED	12. LOCATION	13. PERIOD	PURPOSE AND REMARKS
		1	TEST OPERATIONS ON RANDOM MOTION SIMULATOR FOR OMBUU AND ORB. ACCESS ARM AS DIRECTED BY THE USER.	GROUND LEVEL WLST (PORTABLE PEDESTAL)		
		2	TEST OPERATIONS ON LO2 TSM, GHE, GH2, AND LN2 TANKERS AS DIRECTED BY THE USER.	GROUND LEVEL NEAR LO2 TSM (PORTABLE PEDESTAL)		
		3	TEST OPERATIONS ON LH2 TSM AND LH2 TANKER AS DIRECTED BY THE USER.	GROUND LEVEL NEAR LH2 TSM (PORTABLE PEDESTAL)		
		4	ACCESS ARM PIVOT POINT AND OVERALL TEST OPERATIONS SURVEILLANCE AS DIRECTED BY THE USER.	60' LEVEL OF TOWER SIMULATOR		

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-6 VIDEO RECORDERS		2. REPLACES PAGE (S) DATED N/A	3. PAGE NO. B-6-47
			4. DATE 06-01-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION: LCC			

8. ITEM NO.	11. VIDEO RECORDERS

UDS FORM S G/B
JULY 70

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-6 VIDEO RECORDERS		2. REPLACES PAGE (S) B-6-48 DATED 06-01-81	3. PAGE NO. B-6-48
			4. DATE 10-08-81
5. PROGRAM TITLE: FEDB-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION			

8. ITEM NO.	11. LCC
	25 Black & White Video Tape Recorders will be provided in Room 1P2 of the LCC. NOTE: A maximum of sixteen (16) recorders can be committed for simultaneous recording requirements. 5 Slow speed continuous recorders will be provided in Rm. 1P2 of the LCC to record "over the sill" TV cameras. 16 Color Video Recorders are provided in FR-4 for exclusive use by the ET TPS Monitoring personnel. 2 Color Video Recorders are provided in the LACB for exclusive use by TO-OPS for the MSBLS console status panel indications.

R

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-7 WIDEBAND/AUDIO GRADE		2. REPLACES PAGE (S) B-7-1 DATED 2-7-79	3. PAGE NO. B-7-1 R 4. DATE 8-1-80
5. PROGRAM TITLE:FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION			

8. ITEM NO.	11. WIDEBAND/AUDIO GRADE

UDS FORM S G/B
JULY 70

1. CLASSIFICATION K-SM-10.2.81

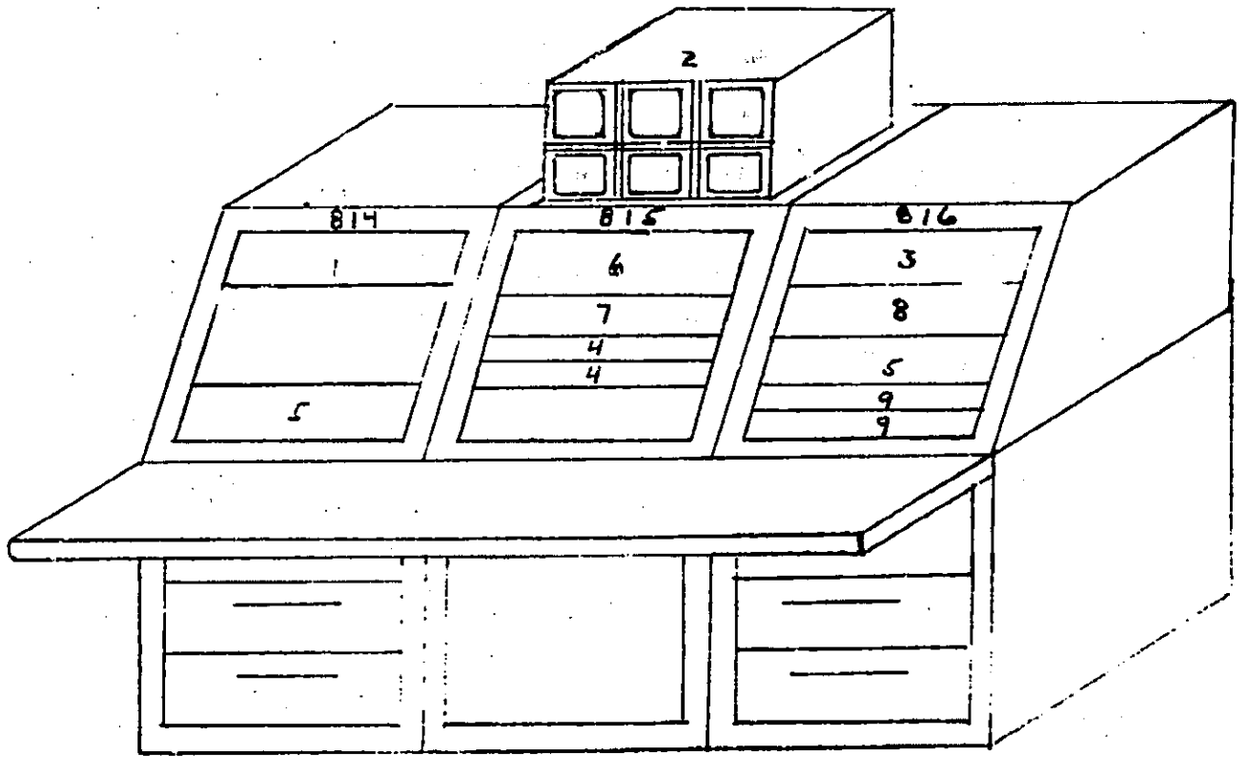
PAGE TITLE: SECTION B-7 WIDEBAND CONSOLE		2. REPLACES PAGE (S) B-7-2 DATED 2-7-9	3. PAGE NO. B-7-2 4. DATE 8-1-80
5. PROGRAM TITLE:FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION			

8. ITEM NO.

11. O Equipment Requirements for the LCC Rm 1P3 Wideband Console

Item		
1	Alarm System Status and Control - Proposed	R
2	Six five inch monochrome television monitors - on hand	R
3	Tektronix RM465 Oscilloscope or equal (RM 453) on hand	
4	1x12 unbalance video switcher - on hand	
5	RF-OIS/Audio Communications - on hand	R
6	Fourteen inch color television monitor - on hand	
7	Tektronix RM528, 529 or equal waveform monitor - on hand	
8	1x24 Balanced Switcher - on hand	R
9	Audio order wire - on hand	R

REV 8



WIDEBAND CONSOLE
LCC RM
IP3

B-7-3
8-1-80

310

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-7 WIDEBAND CONSOLE			2. REPLACES PAGE (S) DATED	3. PAGE NO. B-7-4 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION				

11.

0 Alarm System

The basic function of the alarm system to advise the control console of failures, or conditions which may cause failures, to reduce trouble isolation and service restoral times and unnecessary damage of equipment. Initially three areas are of most concern, they are:

- o Facility Power - A capability for sensing not only total loss, but intermittent, short duration (millisecond range) hits. The short duration glitch is one that has previously expended an excessive number manhours in trouble isolation.
- o Individual Power Supplies - A capability for sensing power supply and fuse failures reducing trouble isolation and service restoral. This capability also provides indication of inadvertant and accidental power shut off. An inherent capability presently installed in the solid state equipment via relay closure reduces the effort necessary to provide the capability. A phased implementation can be provided.
- o Temperature - A capability for sensing ambient room temperature to proclude unnecessary overheating of equipment in the event of air conditioning failure. Equipment failure and damage has been experienced in the past because of this. An alarm indication would initiate immediate remedial action.

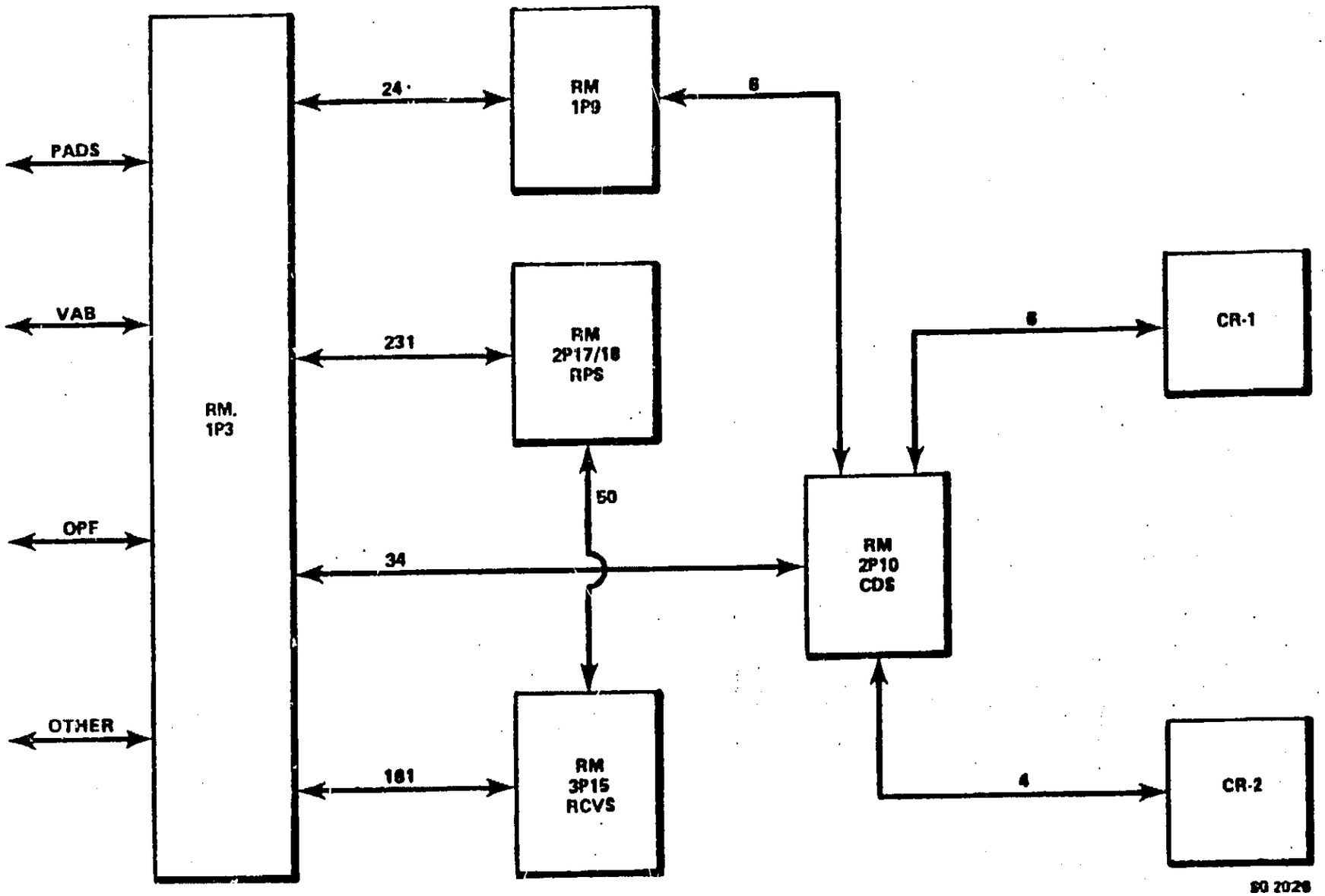
1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-7 WIDEBAND CONSOLE			2. REPLACES PAGE (S) DATED	3. PAGE NO. B-7-5 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION				

11. Additional capabilities and/or considerations.

- o An alarm system providing the initial capability in pre-selected sites can be purchased at reduced cost.
- o The alarm system should have a build out capability not only in locations but numbers of stimuli at a given facility. This capability will allow expansion of unit power monitoring and the inclusion of other alarms such as open door, TD, etc. for security and integrity purposes, and signal level alarms that may later be developed.
- o The alarm system should provide, if not cost prohibitive, a capability for inducing stimuli. This capability would further reduce O&M costs via limited switching, etc. that may later be developed.

LCC INTERNAL WIDEBAND DISTRIBUTION



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1 CLASSIFICATION

(PAGE TITLE) SECTION B-7 WIDEBAND/AUDIO GRADE		2. REPLACES PAGE (S) B-7-7 DATED 06-01-81	3. PAGE NO. B-7-7
			4. DATE 10-08-81
5. PROGRAM TITLE FEDP-81	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11

8. ITEM NO.	10.
	1. 9000 NUMBERED WIDEBAND CIRCUITS ARE INSTALLED ON A TEMPORARY BASIS AND WILL REMAIN ACTIVE AS LONG AS SPARE EQUIPMENT AND CABLE IS AVAILABLE. ESTABLISHED CIRCUITS WILL NOT BE REMOVED WITHOUT PRIOR COORDINATION WITH THE CUSTOMER. 2. The Modular Auxiliary Data System support presented for the OPF is constrained by cable shortages. When fiber optics become available, this support will be re-evaluated.

R

PAGE TITLE: WIDEBAND CIRCUIT CROSS REFERENCE INDEX			2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. B-7-7.1
				4. DATE 10-08-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9.TEST CODE	6. PROGRAM	7. REV. NO. 11

10. LOCATION THE FOLLOWING LIST CROSS REFERENCES W/B CIRCUIT NUMBERS TO THE DRAWING PAGE THEY APPEAR ON

11.

CIRCUIT #	PAGE #
1DAC003	C-7-11
1TV 005	C-7-12
1TV 006	C-7-12
1TVC007	C-7-12
1TVC011	C-7-8
1TVC012	C-7-8
1TVC014	C-7-8
1TVC015	C-7-8
1TVC016	C-7-11
1TVC017	C-7-11
1TV 018	C-7-12
1TVC021	C-7-9
1TVC023	C-7-12
1TV 025	C-7-12
1TVC030	C-7-9
1TV 042	C-7-12
1TV 043	C-7-12
1TVC050	C-7-8
1TVC052	C-7-8
1TVC084	C-7-11
1TVC086	C-7-9
1TVC088	C-7-8
1TVC089	C-7-9
1TVC090	C-7-9
1TVC091	C-7-9
1TVC092	C-7-9
1TVC093	C-7-9
1TVC094	C-7-9
1TVC104	C-7-11
1TVC106	C-7-11
1TVC109	C-7-11
1TV 113	C-7-12
1TV 115	C-7-12
1TV 116	C-7-12
1TV 117	C-7-12
1TV 118	C-7-12
1TV 121	C-7-10
1TV 122	C-7-10
1TVC122	C-7-11
1TV 123	C-7-12
1TV 124	C-7-12
1TV 143	C-7-12
1TV 144	C-7-12
1TV 151	C-7-12
1TV 172	C-7-12
1TVC173	C-7-11
1TVC174	C-7-11
1TVC175	C-7-11
1TVC176	C-7-11
1TVC177	C-7-11
1TVC179	C-7-11
1TV 184	C-7-12
1DAC186	C-7-9
1TV 186	C-7-10
1TV 187	C-7-10

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PAGE TITLE: WIDEBAND CIRCUIT CROSS REFERENCE INDEX			2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. B-7-7.2
				4. DATE 10-08-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9.TEST CODE	6. PROGRAM	7. REV. NO. 11

10. LOCATION THE FOLLOWING LIST CROSS REFERENCES W/B CIRCUIT NUMBERS TO THE DRAWING PAGE THEY APPEAR ON

11.

CIRCUIT #	PAGE #
1TV 188	C-7-10
1TV 189	C-7-12
1TV 190	C-7-12
1TV 191	C-7-10
1TV 192	C-7-10
1TV 193	C-7-10
1TVM201	C-7-9
1TVM202	C-7-9
1TVM203	C-7-9
1TVM204	C-7-9
1TVM206	C-7-9
1TVM207	C-7-9
1TVM208	C-7-9
1TV 223	C-7-12
1TV 231	C-7-12
1TV 233	C-7-12
1TVC258	C-7-11
1TVC263	C-7-9
1TVC279	C-7-9
1TVC292	C-7-8
1TVC358	C-7-9
1TVC374	C-7-8
1TVC375	C-7-8
1TVC400	C-7-12
1TVC417	C-7-9
1TVC421	C-7-8
1TVC441	C-7-9
1TVC442	C-7-9
1TVC443	C-7-9
1TVC456	C-7-9
1TVC457	C-7-9
1TVC458	C-7-8
1TVC461	C-7-9
1TVC473	C-7-8
1TVC474	C-7-8
1TVC475	C-7-8
1TVC476	C-7-8
1TVC477	C-7-8
1TVC478	C-7-8
1TVC479	C-7-8
1TVC480	C-7-8
1TVC481	C-7-8
1TVC482	C-7-8
1TVC483	C-7-8
1TVC484	C-7-8
1TVC485	C-7-8
1TVC486	C-7-8
1TVC487	C-7-8
1TVC488	C-7-8
1TVC489	C-7-8
1TVC490	C-7-8
1TVC491	C-7-8
1TVC492	C-7-8
1TVC497	C-7-9

PAGE TITLE: NARROWBAND DATA			2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. B-7-7.3
				4. DATE 10-08-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9.TEST CODE	6. PROGRAM	7. REV. NO. 11

10. LOCATION THE FOLLOWING LIST CROSS REFERENCES W/B CIRCUIT NUMBERS TO THE DRAWING PAGE THEY APPEAR ON

11. CIRCUIT #	PAGE #	CIRCUIT #	PAGE #
2DAM012	C-7-9		
2DAC019	TBD		
2DAM072	C-7-9		
2DAM076	C-7-9		
2DAC085	C-7-9		
2DAC086	C-7-9		
2DAC087	C-7-9		
2DAC088	C-7-9		
2DAC089	C-7-9		
2DTM5504	C-7-19		
2DTM5505	C-7-19		
2DTM5506	C-7-19		

PAGE TITLE: WIDEBAND CIRCUIT CROSS REFERENCE INDEX			2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. B-7-8
				4. DATE 10-08-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9.TEST CODE	6. PROGRAM	7. REV. NO. 11

10. LOCATION THE FOLLOWING LIST CROSS REFERENCES W/ B CIRCUIT NUMBERS TO THE DRAWING PAGE THEY APPEAR ON

11.

CIRCUIT #	PAGE #
1LPM1001	B-7-61
1LPM1003	B-7-61
1LPM1005	B-7-61
1TVM1008	B-7-61
1LPM1010	B-7-61
1LPM1012	B-7-61
1TVM1015	B-7-61
1TVM1017	B-7-61
1LPM1019	B-7-61
1LPM1022	B-7-61
1LPM1023	B-7-61
1TVM1024	B-7-61
1LPM1028	B-7-61
1LPM1029	B-7-61
1LPM1031	B-7-61
1TVM1032	B-7-61
1LPM1033	B-7-62
1LPM1034	B-7-62
1LPM1035	B-7-62
1LPM1036	B-7-62
1LPM1037	B-7-62
1LPM1038	B-7-62
1LPM1039	B-7-62
1LPM1040	B-7-62
1LPM1041	B-7-62
1LPM1042	B-7-62
1LPM1043	B-7-62
1LPM1044	B-7-62
1LPM1045	B-7-62
1LPM1046	B-7-62
1LPM1047	B-7-62
1LPM1048	B-7-62
1LPM1049	B-7-62
1LPM1050	B-7-62
1LPM1051	B-7-63
1LPM1054	B-7-63
1LPM1057	B-7-63
1LPM1060	B-7-63
1LPM1063	B-7-63
1LPM1066	B-7-63
1LPM1069	B-7-63
1LPM1072	B-7-63
1LPM1075	B-7-64
1LPM1078	B-7-64
1LPM1081	B-7-64
1LPM1084	B-7-64
1LPM1087	B-7-64
1LPM1090	B-7-64
1LPM1093	B-7-64
1LPM1096	B-7-64
1LPM1099	B-7-65
1LPM1102	B-7-65
1LPM1105	B-7-65
1LPM1108	B-7-65
1LPM1111	B-7-65
1LPM1114	B-7-65
1LPM1117	B-7-65
1LPM1120	B-7-65

PAGE TITLE: WIDEBAND CIRCUIT CROSS REFERENCE INDEX			2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. B-7-9
				4. DATE 10-08-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9.TEST CODE	6. PROGRAM	7. REV. NO. 11

10. LOCATION THE FOLLOWING LIST CROSS REFERENCES W/ B CIRCUIT NUMBERS TO THE DRAWING PAGE THEY APPEAR ON

11.

CIRCUIT #	PAGE #
1LPM1123	B-7-65
1LPM1126	B-7-65
1LPM1129	B-7-65
1LPM1132	B-7-65
1LPM1135	B-7-65
1LPM1138	B-7-66
1LPM1141	B-7-66
1LPM1144	B-7-66
1LPM1147	B-7-66
1LPM1150	B-7-66
1LPM1153	B-7-66
1LPM1156	B-7-66
1LPM1159	B-7-66
1TVM1162	B-7-62
1LPM1163	B-7-62
1LPM1164	B-7-62
1LPM1165	B-7-62
1LPM1166	B-7-62
1TVM1167	B-7-66
1TVM1168	B-7-66
1TVM1169	B-7-66
1LPM1170	B-7-62
1LPM1171	B-7-62
1LPM1172	TBD
1LPM1173	TBD
1LPM1174	TBD
1LPM1175	TBD
1LPM1176	TBD
1LPM1177	TBD

CIRCUIT #	PAGE #
1LPM1178	TBD
1LPM1179	TBD
1LPM1180	TBD
1LPM1181	TBD
1LPM1182	TBD
1LPM1183	TBD
1LPM1201	B-7-77
1TVM1202	B-7-61/B-7-77
1LPM1204	B-7-77
1LPM1208	B-7-77
1LPM1211	B-7-77
1LPM1212	B-7-86
1LPM1213	B-7-86
1LPM1214	B-7-86
1LPM1215	B-7-86
1LPM1216	B-7-86
1LPM1217	B-7-86
1LPM1218	B-7-86
1LPM1219	B-7-86
1LPM1220	B-7-86
1LPM1221	B-7-86
1LPM1222	B-7-77
1LPM1223	B-7-77
1LPM1224	B-7-77
1LPM1225	B-7-77
1LPM1226	B-7-77
1LPM1227	B-7-77
1LPM1228	B-7-77
1LPM1229	B-7-77

PAGE TITLE: WIDEBAND CIRCUIT CROSS REFERENCE INDEX			2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. B-7-10
				4. DATE 10-08-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9.TEST CODE	6. PROGRAM	7. REV. NO. 11

10. LOCATION THE FOLLOWING LIST CROSS REFERENCES W/ B CIRCUIT NUMBERS TO THE DRAWING PAGE THEY APPEAR ON

11.

CIRCUIT #	PAGE #
1LPM1230	B-7-77
1LPM1231	B-7-77
1LPM1232	B-7-77
1LPM1233	B-7-77
1LPM1234	B-7-77
1LPM1235	B-7-77
1LPM1236	B-7-77
1LPM1237	B-7-77
1LPM1238	B-7-77
1LPM1239	B-7-77
1LPM1240	B-7-77
1LPM1241	B-7-77
1LPM1242	B-7-77
1LPM1243	B-7-77
1LPM1244	B-7-77
1LPM1245	B-7-77
1LPM1248	B-7-77
1LPM1251	B-7-77
1LPM1254	B-7-77
1LPM1257	B-7-78
1LPM1260	B-7-78
1LPM1263	B-7-78
1LPM1266	B-7-78
1LPM1269	B-7-78
1LPM1272	B-7-78
1LPM1275	B-7-78
1LPM1278	B-7-78
1LPM1281	B-7-79
1LPM1284	B-7-79
1LPM1287	B-7-79
1LPM1290	B-7-79
1LPM1293	B-7-79
1LPM1296	B-7-79
1LPM1299	B-7-79
1LPM1302	B-7-80
1LPM1305	B-7-80
1LPM1308	B-7-80
1LPM1311	B-7-80
1LPM1314	B-7-80
1LPM1317	B-7-80
1LPM1320	B-7-80
1LPM1323	B-7-80
1LPM1326	B-7-80
1LPM1329	B-7-81

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PAGE TITLE: WIDEBAND CIRCUIT CROSS REFERENCE INDEX			2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. B-7-11
				4. DATE 10-08-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9.TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION THE FOLLOWING LIST CROSS REFERENCES W/ B CIRCUIT NUMBERS TO THE DRAWING PAGE THEY APPEAR ON				

11.

CIRCUIT #	PAGE #
1LPM1332	B-7-81
1LPM1335	B-7-81
1LPM1338	B-7-81
1LPM1341	B-7-81
1LPM1344	B-7-81
1LPM1347	B-7-81
1LPM1350	B-7-81
1LPM1353	B-7-81
1LPM1356	B-7-81
1LPM1360	B-7-81
1LPM1364	B-7-81
1LPM1368	B-7-81
1LPM1372	B-7-81
1LPM1376	B-7-81
1LPM1380	B-7-82
1LPM1384	B-7-82
1LPM1388	B-7-82
1LPM1392	B-7-82
1LPM1396	B-7-82
1LPM1400	B-7-82
1LPM1404	B-7-82
1LPM1408	B-7-82
1TVM1412	B-7-82
1LPM1413	B-7-82
1LPM1501	B-7-85
1LPM1502	B-7-85
1LPM1503	B-7-85
1LPM1504	B-7-85
1LPM1505	B-7-85
1LPM1506	B-7-85
1LPM1507	B-7-85
1LPM1508	B-7-85
1LPM1509	B-7-85
1LPM1510	B-7-85
1LPM1513	B-7-70
1LPM1514	B-7-70
1LPM1515	B-7-70
1LPM1516	B-7-70
1LPM1517	B-7-70
1LPM1518	B-7-70
1LPM1519	B-7-70
1TVM1520	B-7-70
1LPM1521	B-7-70
1LPM1524	B-7-70
1LPM1527	B-7-70
1LPM1530	B-7-70
1LPM1533	B-7-71
1LPM1536	B-7-71
1LPM1539	B-7-71
1LPM1542	B-7-71
1LPM1545	B-7-71
1LPM1548	B-7-71
1LPM1551	B-7-71
1LPM1554	B-7-71
1LPM1557	B-7-72
1LPM1560	B-7-72
1LPM1563	B-7-72
1LPM1564	B-7-72

PAGE TITLE: WIDEBAND CIRCUIT CROSS REFERENCE INDEX			2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. B-7-12
				4. DATE 10-08-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 11

10. LOCATION THE FOLLOWING LIST CROSS REFERENCES W/ B CIRCUIT NUMBERS TO THE DRAWING PAGE THEY APPEAR ON

11.

CIRCUIT #	PAGE #
1LPM1566	B-7-72
1LPM1569	B-7-72
1LPM1572	B-7-72
1LPM1575	B-7-72
1LPM1578	B-7-72
1LPM1581	B-7-73
1LPM1584	B-7-73
1LPM1587	B-7-73
1LPM1590	B-7-73
1LPM1593	B-7-73
1LPM1596	B-7-73
1LPM1599	B-7-73
1LPM1602	B-7-73
1LPM1605	B-7-74
1LPM1608	B-7-74
1LPM1611	B-7-74
1LPM1614	B-7-74
1LPM1617	B-7-74
1LPM1620	B-7-74
1LPM1623	B-7-74
1LPM1626	B-7-74
1LPM1629	B-7-74
1LPM1632	B-7-74
1LPM1636	B-7-74
1LPM1640	B-7-74
1LPM1644	B-7-74
1LPM1648	B-7-74
1LPM1652	B-7-74
1LPM1656	B-7-75
1LPM1660	B-7-75
1LPM1664	B-7-75
1LPM1668	B-7-75
1LPM1672	B-7-75
1LPM1676	B-7-75
1LPM1680	B-7-75
1LPM1684	B-7-75
1LPM1688	B-7-70
1LPM1689	B-7-70
1LPM1690	B-7-70
1LPM1691	B-7-70
1LPM1692	B-7-70
1LPM1693	B-7-70
1LPM1694	B-7-70
1LPM1695	B-7-70
1LPM1696	B-7-70

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PAGE TITLE: WIDEBAND CIRCUIT CROSS REFERENCE INDEX			2. REPLACES PAGE (S)	3. PAGE NO. B-7-13
			DATED ADDED	4. DATE 10-08-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9.TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION THE FOLLOWING LIST CROSS REFERENCES W/B CIRCUIT NUMBERS TO THE DRAWING PAGE THEY APPEAR ON				

11.

CIRCUIT #	PAGE #
1LPM1697	B-7-70
1LPM1698	B-7-70
1LPM1699	B-7-70
1LPM1700	B-7-70
1LPM1701	B-7-70
1LPM1702	B-7-70
1LPM1703	B-7-70
1LPM1704	B-7-76
1LPM1706	B-7-76
1LPM1708	B-7-76
1LPM1710	B-7-76
1LPM1712	B-7-76
1LPM1714	B-7-76
1LPM1716	B-7-76
1TVM1717	B-7-88
1TVM1718	B-7-88
1TVM1719	B-7-88
1TVM1720	B-7-88
1TVM1721	B-7-88
1TVM1723	B-7-88
1DTM1723	B-7-88
1TVM1724	B-7-88
1TVM1725	B-7-88
1DTM1725	B-7-88
1TVM1726	B-7-88
1TVM1729	B-7-88
1TVM1730	B-7-88
1DAM1733	B-7-88
1DAM1734	B-7-88
1TVM1735	B-7-88
1TVM1736	B-7-88
1TVM1737	B-7-88
1TVM1738	B-7-88
1DAM1739	B-7-88
1DAM1740	B-7-88
1TVM1741	B-7-88
1TVM1742	B-7-88
1TVM1743	B-7-88
1TVM1744	B-7-88
1TVM1745	B-7-88
1TVM1746	B-7-88
1LPM1747	B-7-87
1LPM1749	B-7-87
1LPM1751	B-7-85
1LPM1752	B-7-85
1LPM1753	B-7-87
1LPM1754	B-7-87
1LPM1755	B-7-87
1LPM1756	B-7-87
1LPM1757	B-7-87
1LPM1758	B-7-87
1LPM1759	B-7-87
1LPM1760	B-7-87
1LPM1761	B-7-87
1LPM1762	B-7-87
1LPM1763	B-7-86
1LPM1764	B-7-86
1LPM1767	B-7-87
1LPM1768	B-7-87
1LPM1769	B-7-87
1LPM1770	B-7-87
1LPM1771	B-7-87

PAGE TITLE: WIDEBAND CIRCUIT CROSS REFERENCE INDEX			2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. B-7-14
				4. DATE 10-08-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9.TEST CODE	6. PROGRAM	7. REV. NO. 11

10. LOCATION THE FOLLOWING LIST CROSS REFERENCES W/B CIRCUIT NUMBERS TO THE DRAWING PAGE THEY APPEAR ON

11.

CIRCUIT #	PAGE #
1LPM1772	B-7-87
1LPM1775	B-7-70
1LPM1783	B-7-85
1LPM1784	B-7-85
1LPM1785	B-7-86
1LPM1786	B-7-86
1LPM1787	B-7-87
1LPM1788	B-7-87
1LPM1789	B-7-85
1LPM1790	B-7-85
1LPM1791	B-7-87
1LPM1792	B-7-87
1LPM1793	B-7-87
1LPM1794	B-7-87
1TVM2021	C-7-15
1TVM2022	C-7-15
1TVM2023	C-7-15
1TVM2024	C-7-15
1TVM2025	C-7-15
1TVM2026	C-7-15
1TVM2027	C-7-15
1TVM2028	C-7-15
1DAM2029	B-7-89
1DAM2030	B-7-89
1DAM2031	B-7-89
1DAM2032	B-7-89
1DAM2033	B-7-89
1DAM2034	B-7-89
1TVM2035	D-7-6
1TVM2036	D-7-6
1TVM2038	B-7-90
1TVM2039	B-7-90
1TVM2040	B-7-90
1TVM2041	B-7-94
1TVM2042	B-7-94
1TVM2043	B-7-94
1TVM2044	B-7-94
1TVM2045	B-7-94
1TVM2046	B-7-94
1TVM2047	B-7-94
1TVM2048	B-7-94
1TVM2049	B-7-94
1TVM2050	B-7-90
1TVM2051	B-7-94
1TVM2053	B-7-94
1TVM2054	B-7-94
1TVM2055	B-7-94
1TVM2056	B-7-94
1TVM2060	B-7-90
1TVM2061	C-7-15
1TVM2062	C-7-15
1TVM2063	C-7-15
1TVM2064	C-7-15
1TVM2065	B-7-94
1TVM2066	B-7-94
1TVM2067	B-7-94
1TVM2068	B-7-94

PAGE TITLE: WIDEBAND CIRCUIT CROSS REFERENCE INDEX			2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. B-7-15
				4. DATE 10-08-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9.TEST CODE	6. PROGRAM	7. REV. NO. 11

10. LOCATION THE FOLLOWING LIST CROSS REFERENCES W/B CIRCUIT NUMBERS TO THE DRAWING PAGE THEY APPEAR ON

11.

CIRCUIT #	PAGE #
1TVM2069	B-7-94
1TVM2070	D-7-6/D-7-7
1TVM2071	B-7-94
1TVM2072	D-7-6
1TVC2075	B-7-90
1TVC2076	B-7-90
1TVC2077	B-7-90
1TVC2079	B-7-90
1TVM2080	B-7-90
1TVM2081	B-7-92
1TVC2083	B-7-90
1DAM2084	B-7-90
1TVM2085	D-7-6/D-7-7
1TVM2086	B-7-92
1TVM2087	B-7-90
1TVM2088	B-7-92
1TVM2089	B-7-92
1TVM2090	B-7-92
1TVM2091	B-7-92
1TVM2092	B-7-92
1TVM2093	D-7-6/D-7-7
1TEM2094	B-7-92
1TVM2095	D-7-6
1TVM2096	D-7-6
1TVM2097	D-7-6
1TVM2098	D-7-6
1TVM2099	D-7-6

CIRCUIT #	PAGE #
1TVM2104	D-7-6/D-7-7
1TVM2105	D-7-6
1TVC2106	D-7-6/D-7-7
1TVM2107	D-7-6/D-7-7
1TVM2108	D-7-6/D-7-7
1TVM2109	D-7-6/D-7-7
1TVM2110	D-7-6/D-7-7
1TVM2111	D-7-6/D-7-7
1TVM2112	D-7-6
1TVM2113	D-7-6
1TVM2114	D-7-6/D-7-7
1TVM2115	D-7-6/D-7-7
1TVM2116	D-7-6
1TVM2119	D-7-6
1TVM2120	D-7-6
1TVM2121	D-7-6
1TVM2122	D-7-6
1TVM2123	D-7-6
1TVM2124	B-7-92
1TVM2125	B-7-92
1TVM2126	B-7-92
1TVM2127	B-7-92
1TVM2128	B-7-92
1TVM2129	B-7-92
1TVM2130	B-7-92
1TVC2131	B-7-90
1TVC2132	B-7-90
1DAM2133	B-7-89
1DAM2134	B-7-89

PAGE TITLE: WIDEBAND CIRCUIT CROSS REFERENCE INDEX			2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. B-7-16
				4. DATE 10-08-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9.TEST CODE	6. PROGRAM	7. REV. NO. 11

10. LOCATION THE FOLLOWING LIST CROSS REFERENCES W/ B CIRCUIT NUMBERS TO THE DRAWING PAGE THEY APPEAR ON

11.

CIRCUIT #	PAGE #
1DAM2135	B-7-89
1DAM2136	B-7-89
1DAM2137	B-7-89
1DAM2138	B-7-89
1DAM2139	B-7-89
1DAM2140	B-7-89
1DAM2141	B-7-89
1DAM2142	B-7-89
1DAM2163	B-7-89
1DAM2164	B-7-89
1DAM2165	B-7-89
1DAM2166	B-7-89
1TVM2259	B-7-87
1TVM2260	B-7-87
1LPM2261	B-7-87
1LPM2262	B-7-87
1DAM2263	B-7-87
1DAM2264	B-7-87
1DAM2267	B-7-89
1DAM2269	TBD
1DAM2271	TBD
1DAM2272	TBD
2DTM2273	B-7-88
1LPM3030	B-7-83
1LPM3031	B-7-83
1LPM3032	B-7-83
1LPM3033	B-7-83
1LPM3034	B-7-83
1LPM3035	B-7-83
1LPM3037	B-7-83
1TVM3038	B-7-83
1LPM3040	B-7-83
1LPM3044	B-7-83
1LPM3047	B-7-83
1LPM3048	B-7-86
1LPM3049	B-7-86
1LPM3050	B-7-86
1LPM3051	B-7-86
1LPM3052	B-7-86
1LPM3053	B-7-86
1LPM3054	B-7-86
1LPM3055	B-7-86
1LPM3056	B-7-86
1LPM3057	B-7-86
1LPM3058	B-7-83
1LPM3059	B-7-83
1LPM3060	B-7-83
1LPM3061	B-7-83
1TVM3062	B-7-88
1TVM3063	B-7-88
1TVM3064	B-7-88
1TVM3065	B-7-88
1TVM3066	B-7-88
1TVM3067	B-7-88
1LPM3068	B-7-83
1LPM3069	B-7-83
1LPM3070	B-7-83
1LPM3071	B-7-83
1LPM3072	B-7-83
1LPM3073	B-7-83

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PAGE TITLE: WIDEBAND CIRCUIT CROSS REFERENCE INDEX			2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. B-7-17
				4. DATE 10-08-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9.TEST CODE	6. PROGRAM	7. REV. NO. 11

10. LOCATION THE FOLLOWING LIST CROSS REFERENCES W/ B CIRCUIT NUMBERS TO THE DRAWING PAGE THEY APPEAR ON

11.

CIRCUIT #	PAGE #
1LPM3074	B-7-83
1LPM3075	B-7-83
1LPM3076	B-7-83
1LPM3077	B-7-83
1LPM3078	B-7-83
1LPM3079	B-7-83
1LPM3080	B-7-84
1LPM3081	B-7-84
1LPM3082	B-7-84
1LPM3083	B-7-84
1LPM3084	B-7-84
1LPM3085	B-7-84
1LPM3086	B-7-84
1LPM3087	B-7-84
1TVM3088	B-7-84
1LPM3089	B-7-84
1LPM3090	TBD
1LPM3091	TBD
1LPM3092	TBD
1LPM3093	TBD
1LPM3094	TBD
1LPM3095	TBD
1LPM3096	TBD
1LPM3097	TBD
1LPM3098	TBD
1LPM3099	TBD
1LPM3100	TBD
1LPM3101	TBD
1LPM3102	B-7-84
1LPM3103	B-7-84
1LPM3104	B-7-84
1LPM3105	B-7-84
1LPM3106	B-7-84
1LPM3133	B-7-67
1LPM3134	B-7-67
1LPM3135	B-7-67
1LPM3136	B-7-67
1LPM3137	B-7-67
1LPM3138	B-7-67
1LPM3139	B-7-67
1LPM3140	B-7-67
1LPM3141	B-7-67
1LPM3142	B-7-67
1LPM3143	B-7-67
1LPM3144	B-7-67
1LPM3145	B-7-67
1LPM3146	B-7-67
1LPM3147	B-7-67
1LPM3148	B-7-67
1LPM3149	B-7-67
1LPM3150	B-7-67
1TVM3163	B-7-67
1LPM3164	B-7-67
1LPM3165	B-7-67
1LPM3166	B-7-67
1LPM3167	B-7-67
1LPM3168	B-7-67
1LPM3174	B-7-68
1LPM3175	B-7-68
1LPM3176	B-7-68
1LPM3177	B-7-68
1LPM3178	B-7-68
1LPM3179	B-7-68
1LPM3180	B-7-68
1LPM3181	B-7-68

PAGE TITLE: WIDEBAND CIRCUIT CROSS REFERENCE INDEX			2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. B-7-18
				4. DATE 10-08-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9.TEST CODE	6. PROGRAM	7. REV. NO. 11

10. LOCATION THE FOLLOWING LIST CROSS REFERENCES W/B CIRCUIT NUMBERS TO THE DRAWING PAGE THEY APPEAR ON

11.

CIRCUIT #	PAGE #
1LPM3182	B-7-68
1LPM3183	B-7-68
1LPM3184	B-7-68
1LPM3185	B-7-68
1LPM3186	B-7-68
1LPM3187	B-7-68
1LPM3188	B-7-68
1LPM3189	B-7-68
1LPM3190	B-7-68
1LPM3191	B-7-68
1LPM3192	B-7-68
1LPM3193	B-7-68
1LPM3194	B-7-68
1LPM3195	B-7-68
1LPM3196	B-7-68
1LPM3197	B-7-69
1LPM3198	B-7-69
1LPM3199	B-7-69
1LPM3200	B-7-69
1LPM3201	B-7-69
1LPM3202	B-7-69
1LPM3203	B-7-69
1TVM3204	B-7-69
1LPM3205	B-7-85
1LPM3206	B-7-85
1LPM3207	B-7-69
1LPM3208	B-7-85
1LPM3209	B-7-85
1LPM3210	B-7-85
1LPM3211	B-7-85
1LPM3212	B-7-69
1LPM3213	B-7-69
1LPM3215	B-7-85
1LPM3216	B-7-85
1LPM3217	B-7-85
1LPM3218	B-7-85
1LPM3219	B-7-69
1LPM3220	B-7-69
1LPM3221	B-7-69
1LPM3222	B-7-69
1LPM3223	B-7-69
1LPM3224	B-7-86
1LPM3225	B-7-86
1LPM3226	B-7-85
1LPM3227	B-7-85
1DAM3229	B-7-88
1DAM3230	B-7-88
1LPM3231	B-7-85
1LPM3232	B-7-85
1LPM3233	B-7-86
1LPM3234	B-7-86
1DAM3252	B-7-89
1DAM3253	B-7-89
1DAM3254	B-7-89
1DAM3255	B-7-89
1DAM3256	B-7-89
1DAM3257	B-7-89
1TVM4000	C-7-6
1TVM4001	C-7-6
1TVM4002	C-7-6
1TVM4003	C-7-6
1TVM4004	C-7-6
1TVM4005	C-7-6

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PAGE TITLE: WIDEBAND CIRCUIT CROSS REFERENCE INDEX			2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. B-7-19
				4. DATE 10-08-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9.TEST CODE	6. PROGRAM	7. REV. NO. 11

10. LOCATION THE FOLLOWING LIST CROSS REFERENCES W/E CIRCUIT NUMBERS TO THE DRAWING PAGE THEY APPEAR ON

11.

CIRCUIT #	PAGE #
1TVM4006	C-7-6
1TVM4007	C-7-6
1TVM4008	C-7-6
1TVM4009	C-7-6
1TVM4010	C-7-6
1TVM4011	C-7-6
1TVM4012	C-7-6
1TVM4013	C-7-6
1TVM4014	C-7-6
1TVM4015	C-7-6
1TVM40'6	C-7-6
1TVM40.7	C-7-6
1TVM4018	C-7-6
1TVM4019	C-7-6
1TVM4020	C-7-7
1TVM4021	C-7-7
1TVM4022	C-7-7
1TVM4023	C-7-7
1TVM4024	C-7-7
1TVM4025	C-7-7
1TVM4026	C-7-7
1TVM4027	C-7-7
1TVM4028	C-7-7
1TVM4029	C-7-7
1TVC4030	C-7-7
1TVC4031	C-7-7
1TVC4032	C-7-7
1TVC4033	C-7-7
1TVC4034	C-7-7
1TVC4035	C-7-7
1TVC4036	C-7-7
1TVC4037	C-7-7

CIRCUIT #	PAGE #
1TVC4038	C-7-7
1TVC4039	C-7-7
1TVC4040	C-7-7
1TVC4041	C-7-7
1TVC4042	C-7-7
1TVC4043	C-7-7
1TVC4044	C-7-7
1TVC4045	C-7-7
1TVC4046	C-7-7
1TVC4048	C-7-7
1TVC4049	C-7-7
1TVC4050	C-7-7
1TVC4051	C-7-7
1TVC4052	C-7-7
1TVC4053	C-7-7
1TVC4054	C-7-7
1TVC4055	C-7-7
1TVC4056	C-7-7
1TVC4057	C-7-7
1TVC4058	C-7-7
1TVC4059	C-7-7
1TVC4060	C-7-7
1TVM4061	C-7-13
1TVM4062	C-7-13
1TVC4063	C-7-13
1TVC4064	C-7-13
1TVM4065	C-7-13
1TVM4066	C-7-13

PAGE TITLE: WIDEBAND CIRCUIT CROSS REFERENCE INDEX			2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. B-7-20
				4. DATE 10-08-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9.TEST CODE	6. PROGRAM	7. REV. NO. 11

10. LOCATION THE FOLLOWING LIST CROSS REFERENCES W/B CIRCUIT NUMBERS TO THE DRAWING PAGE THEY APPEAR ON

11.

CIRCUIT #	PAGE #
1TVM4086	C-7-7
1TVM4088	C-7-7
1TVM4089	C-7-7
1TVM4091	C-7-7
1TVC4092	C-7-13
1TVC4093	C-7-13
1TVM4501	C-7-16
1TVM4502	C-7-16
1TVM4503	C-7-16
1TVM4504	C-7-16
1TVM4505	C-7-16
1TVM4506	C-7-16
1TVM4507	C-7-16
1TVM4508	C-7-16
1TVM4509	C-7-16
1TVM4510	C-7-16
1TVM4511	C-7-16
1DAM4512	C-7-16
1DAM4513	C-7-16
1TVM4528	C-7-16
1LPM4529	C-7-16
1LPM4530	C-7-16
1LPM4531	C-7-16
1LPM4532	C-7-16
1LPM4533	C-7-16
1LPM4534	C-7-16
1LPM4535	C-7-16
1LPM4536	C-7-16
1LPM4537	C-7-16
1LPM4538	C-7-16
1LPM4539	C-7-16

CIRCUIT #	PAGE #
1LPM4540	C-7-16
1LPM4541	C-7-16
1LPM4542	C-7-16
1LPM4543	C-7-16
1LPM4544	C-7-16
1LPM4545	C-7-16
1LPM4546	C-7-16
1LPM4547	C-7-16
1LPM4548	C-7-16
1LPM4549	C-7-16
1LPM4550	C-7-16
1LPM4551	C-7-16
1LPM4552	C-7-16
1LPM4553	C-7-16
1LPM4554	C-7-16
1LPM4555	C-7-16
1LPM4556	C-7-16
1LPM4557	C-7-16
1TVM4558	C-7-16
1TVM4559	C-7-16
1TVC4567	C-7-13
1TVC4568	C-7-13
1TVK4569	C-7-16
1TVK4570	C-7-16
1TVK4571	C-7-16
1TVK4572	C-7-16
1TVK4573	C-7-16
1TVK4574	C-7-13
1TVK4575	C-7-13

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PAGE TITLE: WIDEBAND CIRCUIT CROSS REFERENCE INDEX			2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. B-7-21
				4. DATE 10-08-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9.TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION THE FOLLOWING LIST CROSS REFERENCES W/B CIRCUIT NUMBERS TO THE DRAWING PAGE THEY APPEAR ON				

11.

CIRCUIT #	PAGE #
6TVM4600	C-7-16
6TVM4601	C-7-16
1DTM5000	C-7-17
1DTM5001	C-7-17
1DTM5002	C-7-17
1DTM5003	C-7-17
1DTM5004	C-7-17
1DTM5005	C-7-17
1DTM5006	C-7-17
1DTM5007	C-7-17
1DTM5008	C-7-17
1DTM5009	C-7-17
1DTM5010	C-7-17
1DTM5011	C-7-17
1DTM5012	C-7-17
1DTM5013	C-7-17
1DTM5014	C-7-17
1DTM5015	C-7-17
1DTM5016	C-7-17
1DTM5017	C-7-17
1DTM5018	C-7-17
1DTM5019	C-7-17
1DTM5020	C-7-17
1DTM5021	C-7-17
1DTM5022	C-7-17
1DTM5023	C-7-17
1DTM5024	C-7-17
1DTM5025	C-7-17
1DTM5026	C-7-17

CIRCUIT #	PAGE #
1DTM5027	C-7-18
1DTM5028	C-7-18
1DTM5029	C-7-18
1DTM5030	C-7-18
1DTM5031	C-7-18
1DTM5032	C-7-18
1DTM5033	C-7-18
1DTM5034	C-7-18
1DTM5035	C-7-18
1DTM5036	C-7-18
1DTM5037	C-7-18
1DTM5038	C-7-18
1DTC5039	C-7-18
1DTC5040	C-7-18
1DTC5041	C-7-18
1DTC5042	C-7-18
1DTC5043	C-7-18
1DTC5044	C-7-18
1DTC5045	C-7-18
1DTC5046	C-7-18
1DTC5047	C-7-18
1DTC5048	C-7-18
1DTC5049	C-7-18
1DTC5050	C-7-18
1DTC5051	C-7-18
1DTC5052	C-7-18
1DTC5053	C-7-18
1DTC5054	C-7-18
1DTC5055	C-7-18

PAGE TITLE: WIDEBAND CIRCUIT CROSS REFERENCE INDEX			2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. B-7-22
				4. DATE 10-08-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9.TEST CODE	6. PROGRAM	7. REV. NO. 11

10. LOCATION THE FOLLOWING LIST CROSS REFERENCES W/B CIRCUIT NUMBERS TO THE DRAWING PAGE THEY APPEAR ON

11.

CIRCUIT #	PAGE #
1DTC5056	C-7-18
1DTC5057	C-7-18
1DTC5058	C-7-18
1DTC5059	C-7-18
1DTC5060	C-7-18
1DTC5061	C-7-18
1DTC5062	C-7-18
1DTC5063	C-7-18
1DTC5064	C-7-18
1DTC5065	C-7-18
1DTC5066	C-7-18
1DTC5067	C-7-18
1DTC5068	C-7-18
1DTC5069	C-7-18
1DTC5070	C-7-18
1DTC5071	C-7-18
1DTC5072	C-7-18
1DTC5073	C-7-18
1DTC5074	C-7-18
1DTC5075	C-7-18
1DTC5076	C-7-18
1DTC5077	C-7-18
1DTM5078	C-7-18
1DTM5079	C-7-18
1DTM5502	C-7-19
1DTM5503	C-7-19
2DTM5504	C-7-19
2DTC5505	C-7-19
2DTM5506	C-7-19
1TVC6000	B-7-93
1TVC6001	B-7-93
1TVM6002	B-7-93
1TVM6003	B-7-93
1TVM6004	B-7-93
1TVM6005	B-7-93
1TVM6006	B-7-93
1TVM6007	B-7-93
1TVM6009	B-7-93
1TVM6010	B-7-93
1TVM6011	B-7-93
1TVM6012	B-7-93
1TVM6013	B-7-93
1TVM6014	B-7-93
1TVM6015	B-7-93
1TVM6016	B-7-93
1TVM6017	B-7-93
1TVM6018	B-7-93
1TVM6019	B-7-93
1TVM6020	B-7-93
1TVK6021	B-7-93
1TVK6022	B-7-93
1TVK6023	B-7-93
1TVK6024	B-7-93
1TVK6025	B-7-93
1TVM6026	B-7-93
1TVM6027	B-7-93
1TVC6040	B-7-93
1TVC6041	B-7-93
1TVC6042	B-7-93
1TVC6043	B-7-93
1TVC6044	B-7-93

PAGE TITLE: WIDEBAND CIRCUIT CROSS REFERENCE INDEX			2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. B-7-23
				4. DATE 10-08-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9.TEST CODE	6. PROGRAM	7. REV. NO. 11

10. LOCATION THE FOLLOWING LIST CROSS REFERENCES W/B CIRCUIT NUMBERS TO THE DRAWING PAGE THEY APPEAR ON

11.

CIRCUIT #	PAGE #
1TVM6100	B-7-91
1TVM6101	B-7-91
1TVM6102	B-7-91
1TVM6103	B-7-91
1TVM6104	B-7-91
1TVM6105	B-7-91
1TVM6106	B-7-91
1TVM6107	B-7-91
1TVM6108	B-7-91
1TVM6109	B-7-91
1TVM6110	B-7-91
1TVM6111	B-7-91
1TVM6112	B-7-91
1TVM6113	B-7-91
1TVM6114	B-7-91
1TVM6115	B-7-91
1TVM6116	B-7-91
1TVM6117	B-7-91
1TVM6118	B-7-91
1TVM6119	B-7-91
1TVM6120	B-7-91
1TVM6121	B-7-91
1TVM6122	B-7-91
1TVM6123	B-7-91
1TVM6124	B-7-91
1TVM6125	B-7-91
1TVC6200	C-7-19
1TVC6201	C-7-19
1TVM7001	C-7-14
1TVM7002	C-7-14
1TVM7003	C-7-14
1TVM7004	C-7-14
1TVM7005	C-7-14
1TVM7006	C-7-14
1TVM7007	C-7-14
1TVC7008	C-7-14
1TVC7009	C-7-14
1TVC7010	C-7-14
1TVC7011	C-7-14
1TVM7012	B-7-95
1TVM7013	B-7-95
1TVM7014	B-7-95
1TVM7015	B-7-95
1TVM7016	B-7-95
1TVM7017	B-7-95
1TVM7018	B-7-95
1TVM7019	B-7-95
1TVM7020	B-7-95
1TVM7021	B-7-95
1TVM7022	B-7-95
1TVM7023	B-7-95
1TVM7024	B-7-95
1TVM7025	B-7-95
1TVM7026	B-7-95
1TVM7027	B-7-95
1TVM7028	B-7-95
1TVM7029	B-7-95
1TVM7030	B-7-95

PAGE TITLE: WIDEBAND CIRCUIT CROSS REFERENCE INDEX		2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. B-7-24
			4. DATE 10-08-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9.TEST CODE	6. PROGRAM
			7. REV. NO. 11

10. LOCATION THE FOLLOWING LIST CROSS REFERENCES W/B CIRCUIT NUMBERS TO THE DRAWING PAGE THEY APPEAR ON

11. CIRCUIT #	PAGE #
1TVM7031	B-7-95
1TVC7032	B-7-95
1TVC7033	B-7-95
1TVM7034	B-7-95
1TVM7035	B-7-95
1TVM7036	C-7-14
1TVM7037	C-7-14
1TVM7038	C-7-14
1TVM7039	C-7-14
1TVM7040	B-7-95
1TVM7041	B-7-95
1TVM7042	B-7-95
1TVM7043	B-7-95
1TVM7044	B-7-95
1TVM7045	B-7-95
1TVM7046	B-7-95
1XXM7047	B-7-95
1TVM7048	B-7-95
1TVC7049	C-7-14
1TVM7050	B-7-95
1TVM7051	C-7-14
1DTM7500	C-7-14
1DTM7501	C-7-14
1DTM7502	C-7-14
1DTM7503	C-7-14
1DTM7504	C-7-14
1DTM7505	C-7-14
1DTM7506	C-7-14
1DTM7507	C-7-14
1DTM7508	C-7-14
1DTC7509	C-7-14
1DTC7510	C-7-14
1DTC7511	C-7-14
1DTC7512	C-7-14
1DTC7513	C-7-14
1DTC7514	C-7-14
1DTC7515	C-7-14
1DTC7516	C-7-14
1DTC7517	C-7-14
1DTC7518	C-7-14
1DTC7519	C-7-14
1DTC7520	C-7-14
1DTC7521	D-7-6/D-7-7
1TVM9000	D-7-6
1TVM9001	B-7-95
1TVM9002	B-7-95
1TVM9003	B-7-95
1TVM9004	B-7-88
1TVM9005	B-7-88
1TVM9006	D-7-6/D-7-7
1TVC9007	B-7-90
1TVM9008	C-7-16
1TVM9009	B-7-95
1TVM9011	B-7-90
1TVM9012	B-7-90
1TVM9013	B-7-95
1XXM9014	B-7-92
1TVM9015	D-7-6
1TVM9016	B-7-88
1TVM9017	D-7-6
1TVM9018	D-7-6
1TVM9019	D-7-6
1TVM9020	D-7-6
1TVM9021	B-7-94
1TVM9022	B-7-94
1TVM9023	D-7-6
1TVM9024	

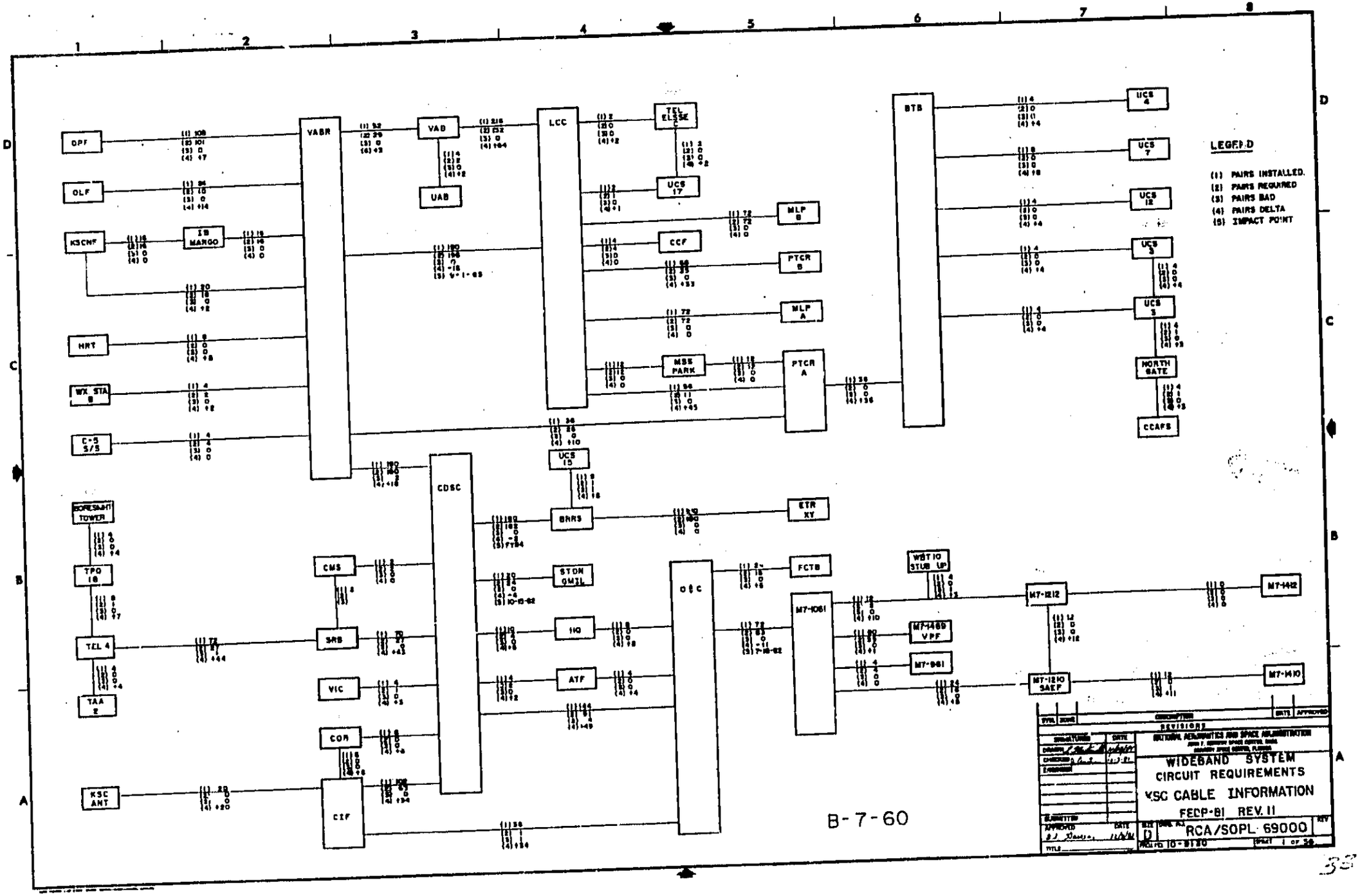
1. CLASSIFICATION _____

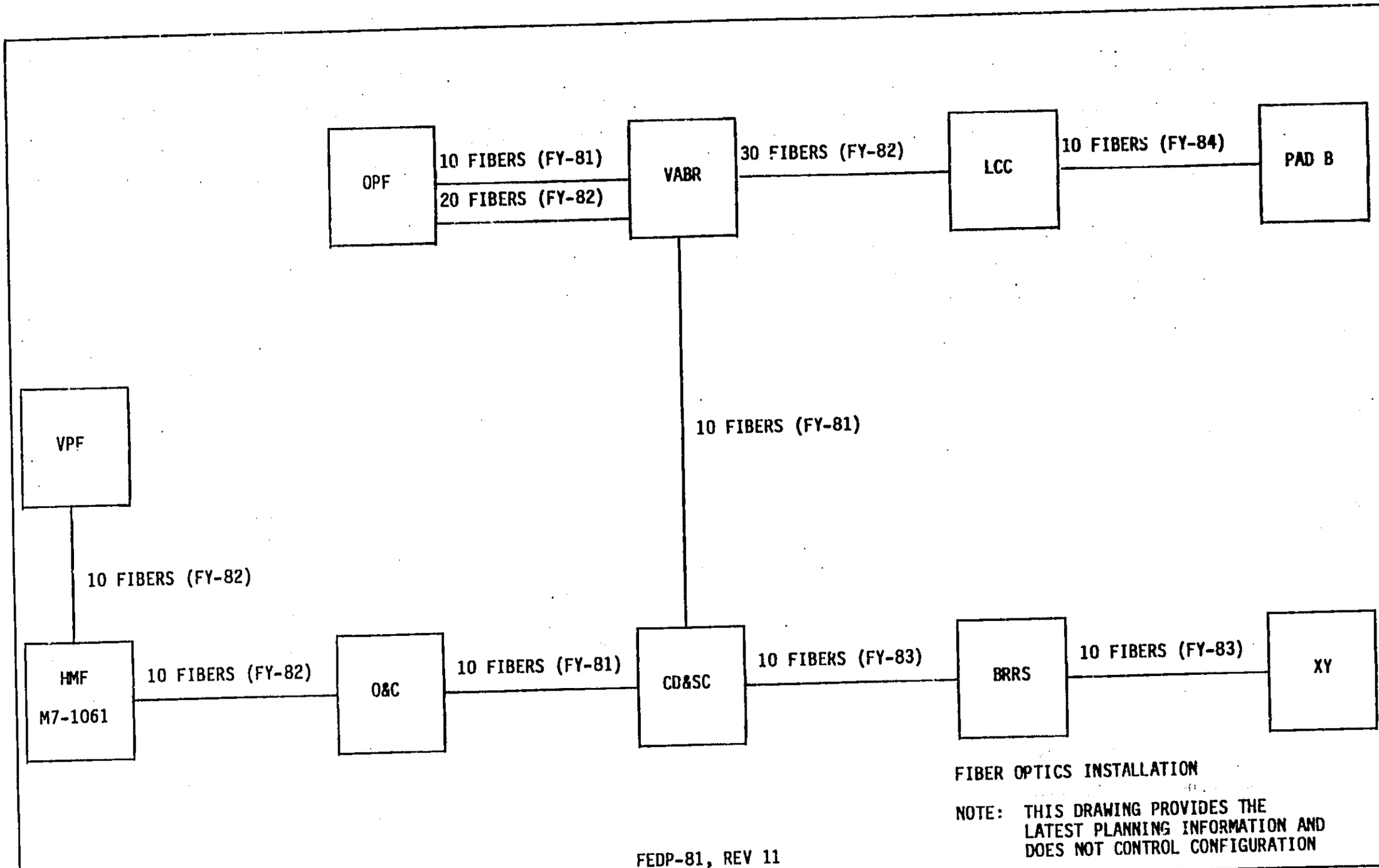
(PAGE TITLE) SECTION B-7 WIDEBAND/AUDIO GRADE	2. REPLACES PAGE(S) ADDED DATED	3. PAGE NO. B-7-25
		4. DATE 10-08-81
5. PROGRAM TITLE FEDP-81	6. PROGRAM NO.	7. REVISION NO. 11

8. ITEM NO.	9. TEST CODE	10.
		1. PAGES B-7-26 THROUGH B-7-59 ARE RESERVED FOR FUTURE USE.

UDS FORM R G/A
JUL 70

1. CLASSIFICATION _____


LEGEND
(1) PAIRS INSTALLED
(2) PAIRS REQUIRED
(3) PAIRS BAD
(4) PAIRS DELTA
(5) IMPACT POINT
OPF
OLF
KSCNF
IB MARGO
HRT
WX STA B
C-5 S/S
VABR
VAB
UAB
LCC
TEL ELSSE C
UCS 17
MLP B
CCF
PTCR B
MLP A
MSS PARK
PTCR A
BTB
UCS 4
UCS 7
UCS 12
UCS 2
UCS 3
NORTH GATE
CCAFS
UCS 15
CDSC
BARS
ETR XY
BORESIGHT TOWER
TPQ 18
TEL 4
TAA 2
CMS
SRB
VIC
COR
KSC ANT
CIF
STDN OMNI
IHQ
ATF
O&C
FCTB
M7-1061
WBT IO STUB UP
M7-1459 VPF
M7-941
M7-1212
M7-1210 SAEF
M7-1412
M7-1410
REVISIONS
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
KSC CABLE INFORMATION
FECP-81 REV. II
RCA/SOPL 69000
10-8180
B-7-60

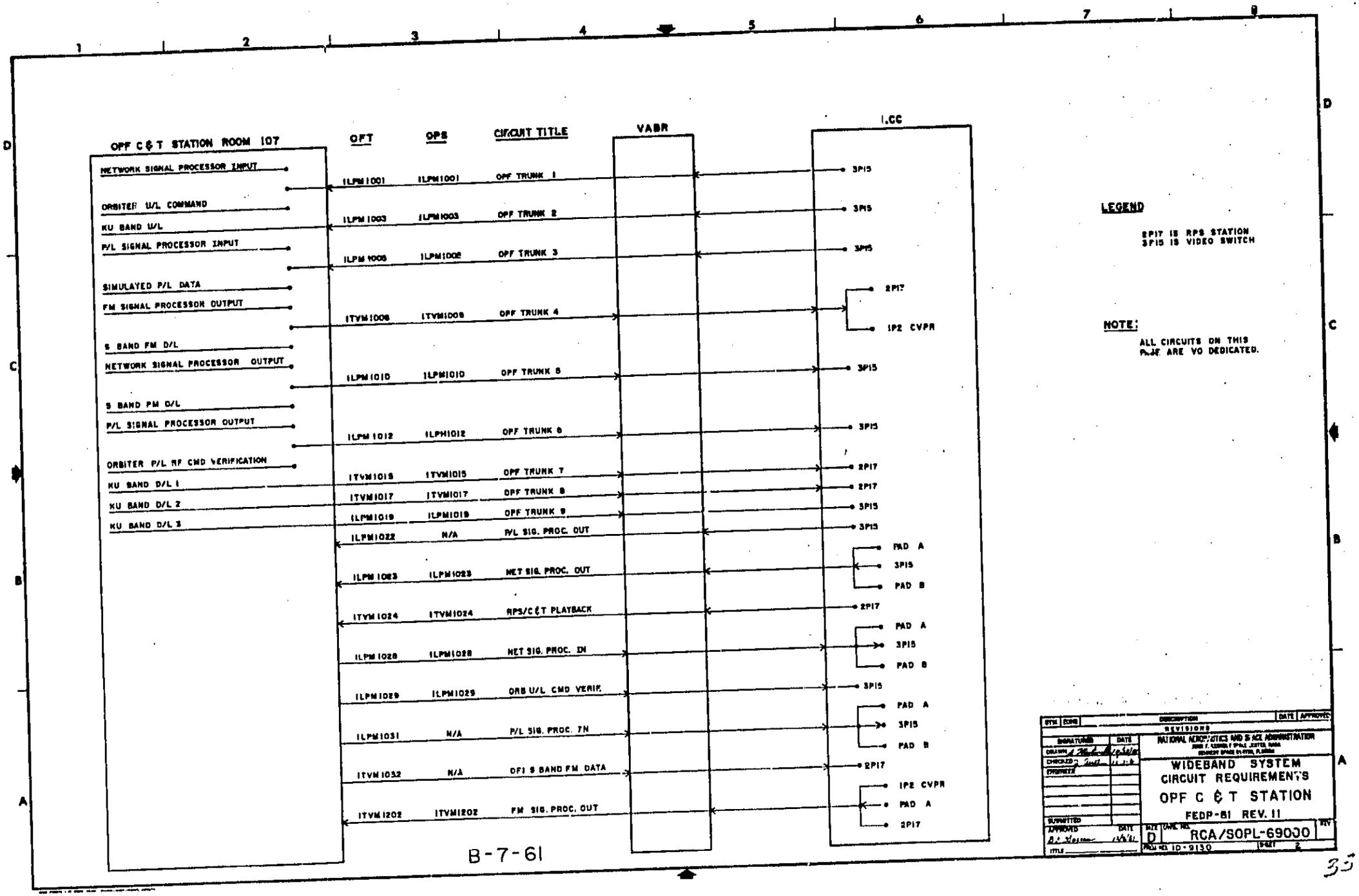


FIBER OPTICS INSTALLATION

NOTE: THIS DRAWING PROVIDES THE LATEST PLANNING INFORMATION AND DOES NOT CONTROL CONFIGURATION

FEDP-81, REV 11

351


OFF C & T STATION ROOM 107
OFT
OPS
CIRCUIT TITLE
VABR
LCC
NETWORK SIGNAL PROCESSOR INPUT
ORBITER U/L COMMAND
KU BAND U/L
P/L SIGNAL PROCESSOR INPUT
SIMULATED P/L DATA
FM SIGNAL PROCESSOR OUTPUT
S BAND FM D/L
NETWORK SIGNAL PROCESSOR OUTPUT
S BAND FM D/L
P/L SIGNAL PROCESSOR OUTPUT
ORBITER P/L RF CMD VERIFICATION
KU BAND D/L 1
KU BAND D/L 2
KU BAND D/L 3
ILPM1001 ILPM1001 OFF TRUNK 1
ILPM1003 ILPM1003 OFF TRUNK 2
ILPM1006 ILPM1006 OFF TRUNK 3
ITVM1008 ITVM1008 OFF TRUNK 4
ILPM1010 ILPM1010 OFF TRUNK 5
ILPM1012 ILPM1012 OFF TRUNK 6
ITVM1015 ITVM1015 OFF TRUNK 7
ITVM1017 ITVM1017 OFF TRUNK 8
ILPM1019 ILPM1019 OFF TRUNK 9
ILPM1022 N/A P/L SIG. PROC. OUT
ILPM1023 ILPM1023 NET SIG. PROC. OUT
ITVM1024 ITVM1024 RPS/C&T PLAYBACK
ILPM1028 ILPM1028 NET SIG. PROC. IN
ILPM1029 ILPM1029 ORB U/L CMD VERIF.
ILPM1031 N/A P/L SIG. PROC. IN
ITVM1032 N/A OFT S BAND FM DATA
ITVM1202 ITVM1202 FM SIG. PROC. OUT
3P15
2P17
IP2 CVPR
PAD A
PAD B

LEGEND

2P17 IS RPS STATION
3P15 IS VIDEO SWITCH

NOTE:

ALL CIRCUITS ON THIS PAGE ARE VO DEDICATED.

REVISIONS			
SYM	ZONE	DESCRIPTION	DATE / APPROVED

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
MERRITT ISLAND, FLORIDA

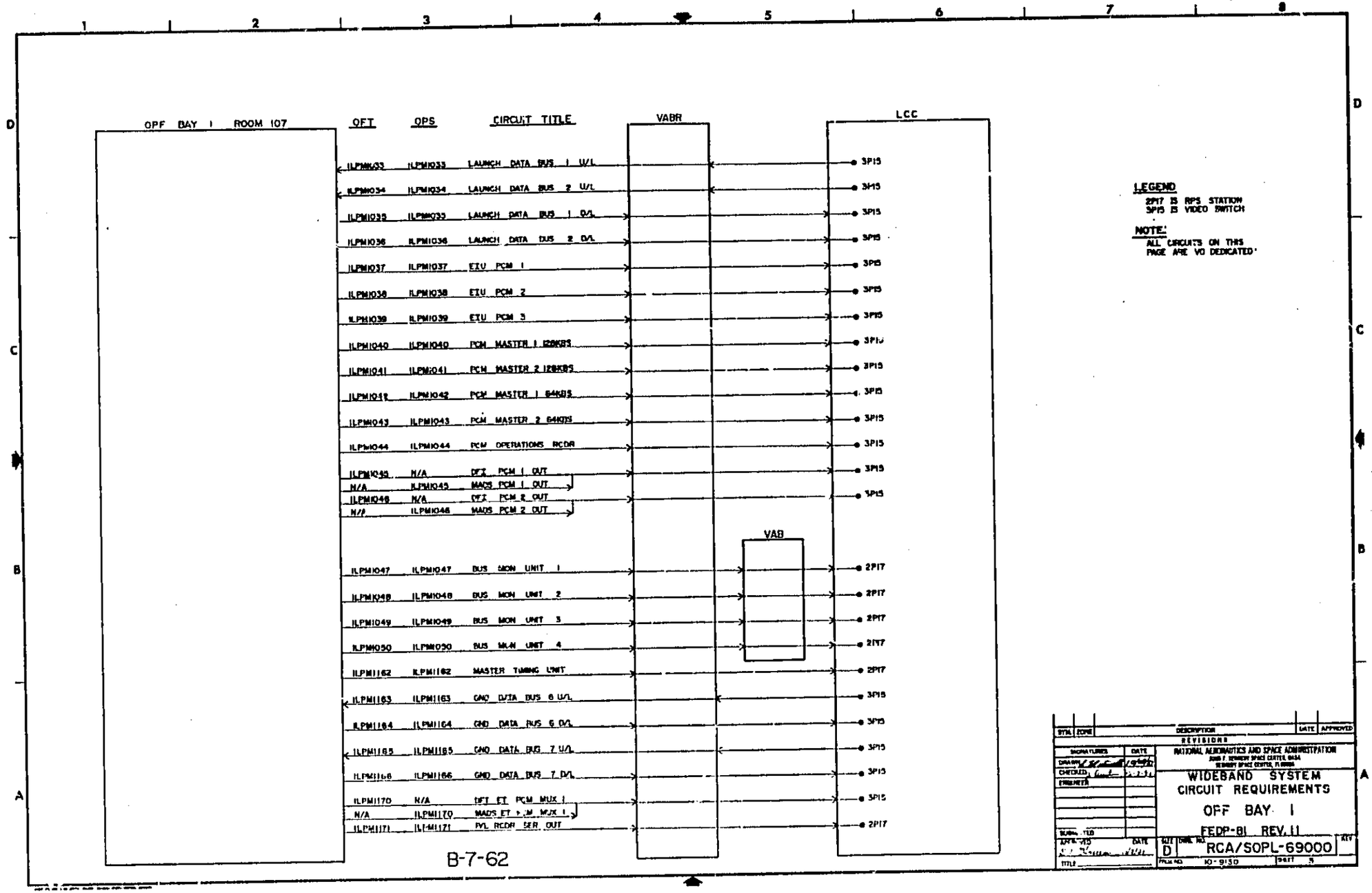
WIDEBAND SYSTEM CIRCUIT REQUIREMENTS
OFF C & T STATION
FEDP-81 REV. 11

SIGNATURES / DATE
DRAWN
CHECKED
ENGINEER
SUPERVISED
APPROVED 12/5/81
TITLE

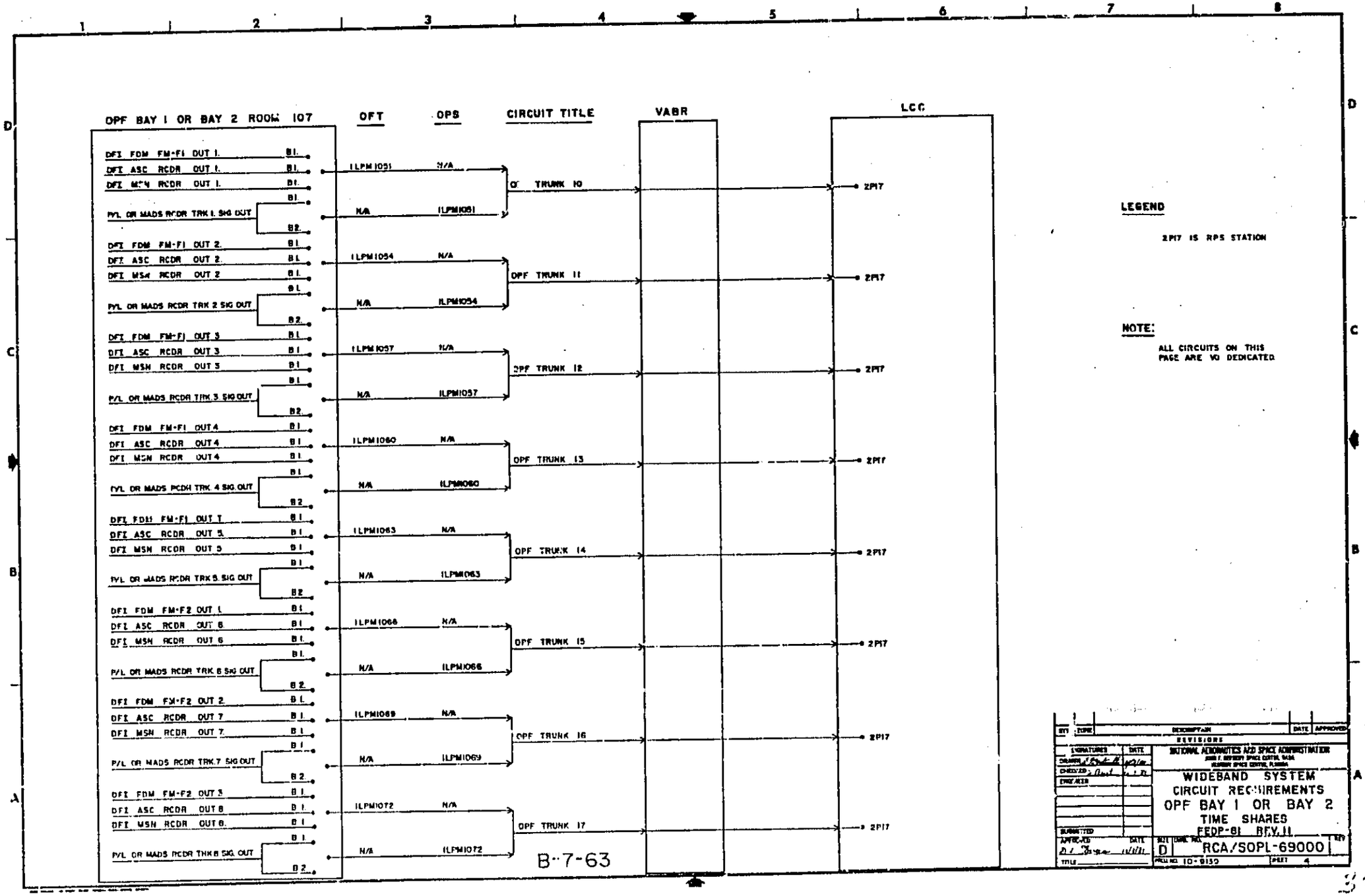
SIZE D | CAGE NO. | RCA/SOPL-69000 | REV
PROJ NO. ID-9130 | SHEET 2

B-7-61

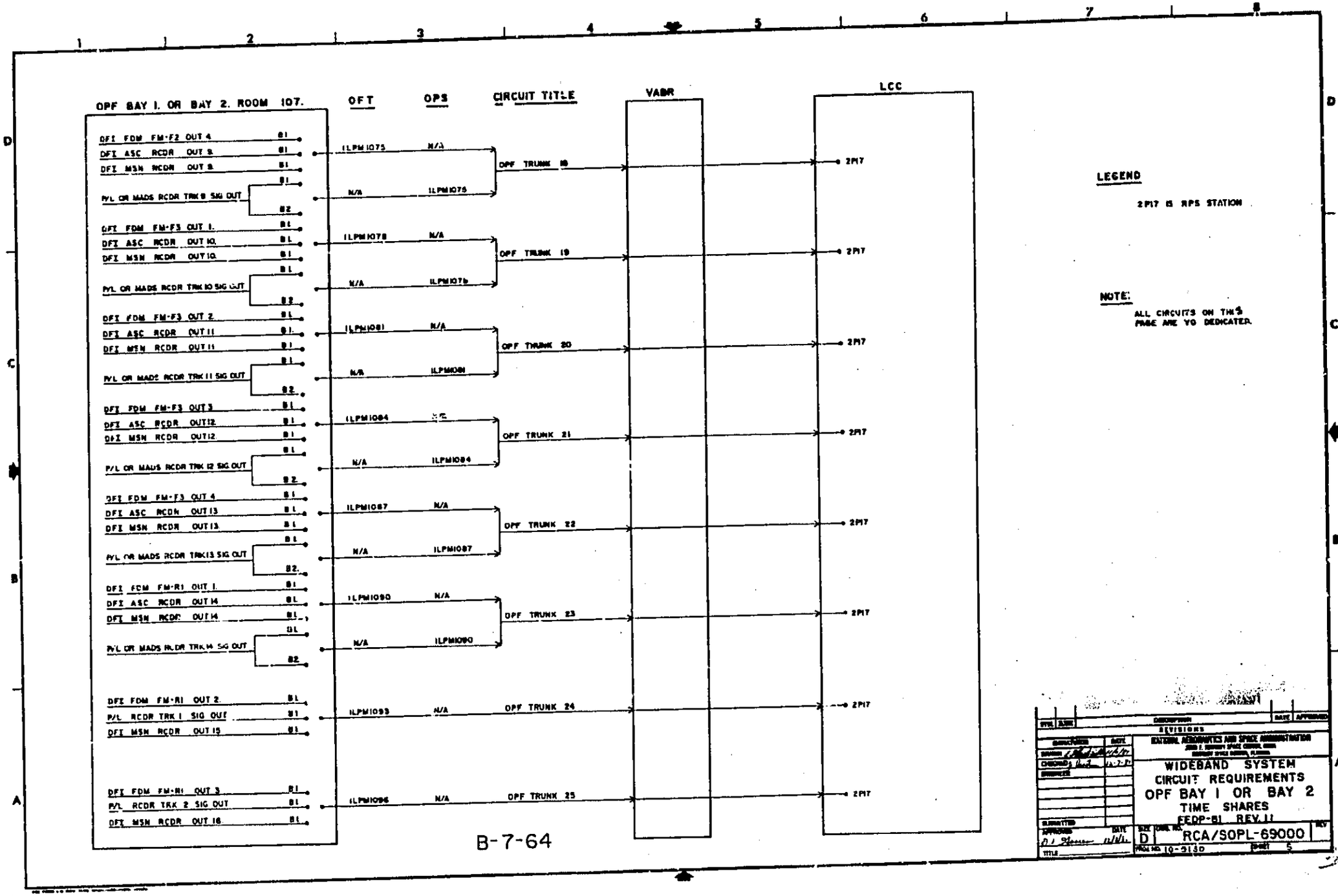
331

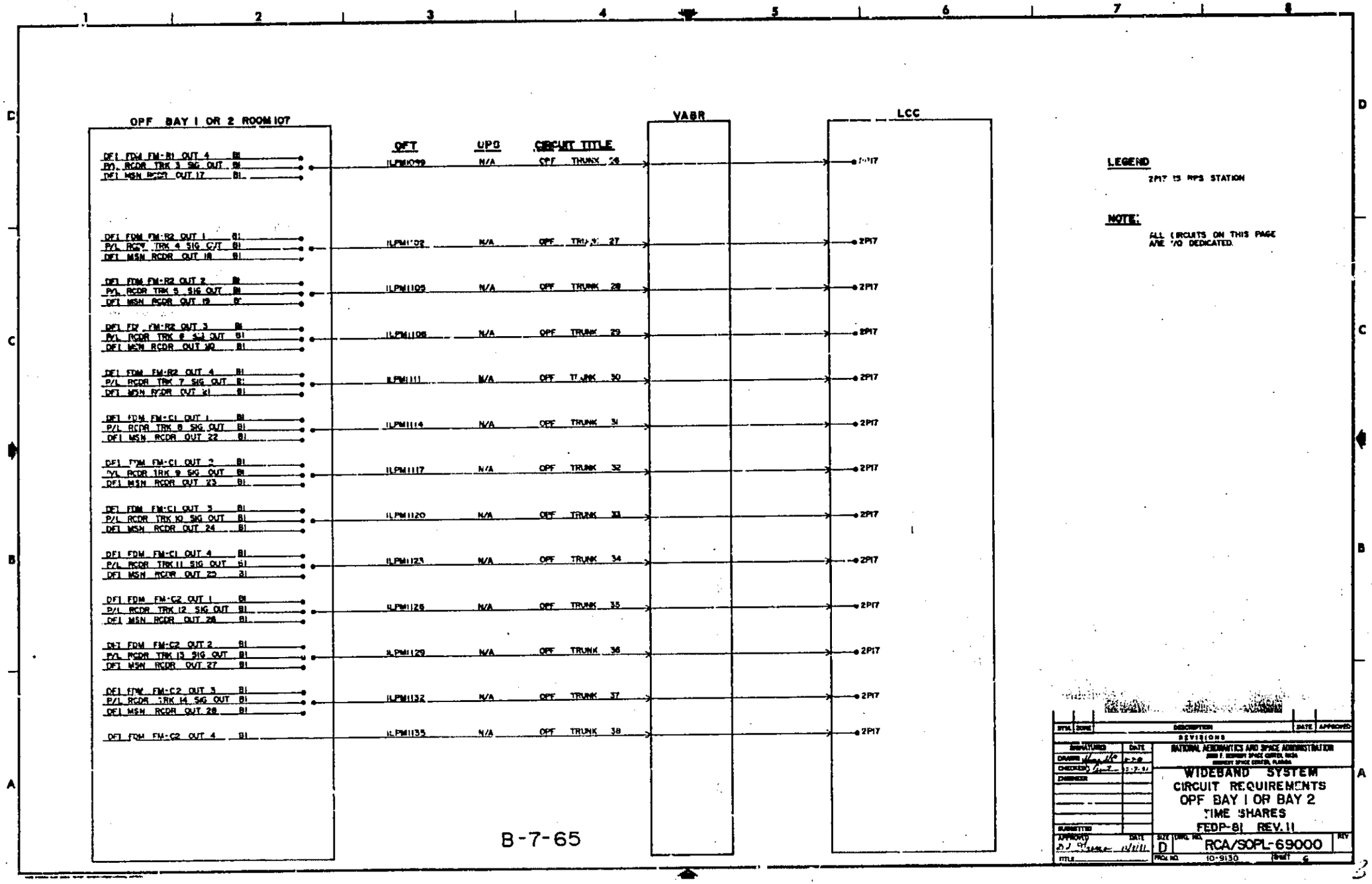

OFF BAY 1 ROOM 107
OFT
OPS
CIRCUIT TITLE
VABR
LCC
VAB
ILPMI033 ILPMI033 LAUNCH DATA BUS 1 U/L
ILPMI034 ILPMI034 LAUNCH DATA BUS 2 U/L
ILPMI035 ILPMI035 LAUNCH DATA BUS 1 D/L
ILPMI036 ILPMI036 LAUNCH DATA BUS 2 D/L
ILPMI037 ILPMI037 ETU PCM 1
ILPMI038 ILPMI038 ETU PCM 2
ILPMI039 ILPMI039 ETU PCM 3
ILPMI040 ILPMI040 PCM MASTER 1 128KBS
ILPMI041 ILPMI041 PCM MASTER 2 128KBS
ILPMI042 ILPMI042 PCM MASTER 1 64KBS
ILPMI043 ILPMI043 PCM MASTER 2 64KBS
ILPMI044 ILPMI044 PCM OPERATIONS RCDR
ILPMI045 N/A OFT PCM 1 OUT
N/A ILPMI045 MADS PCM 1 OUT
ILPMI046 N/A OFT PCM 2 OUT
N/A ILPMI046 MADS PCM 2 OUT
ILPMI047 ILPMI047 BUS MON UNIT 1
ILPMI048 ILPMI048 BUS MON UNIT 2
ILPMI049 ILPMI049 BUS MON UNIT 3
ILPMI050 ILPMI050 BUS MON UNIT 4
ILPMI162 ILPMI162 MASTER TIMING UNIT
ILPMI163 ILPMI163 GND DATA BUS 6 U/L
ILPMI164 ILPMI164 GND DATA BUS 6 D/L
ILPMI165 ILPMI165 GND DATA BUS 7 U/L
ILPMI166 ILPMI166 GND DATA BUS 7 D/L
ILPMI170 N/A OFT ET PCM MUX 1
N/A ILPMI170 MADS ET PCM MUX 1
ILPMI171 ILPMI171 PVL RCDR SER OUT
3P15
2P17
LEGEND
2P17 IS RPS STATION
3P15 IS VIDEO SWITCH
NOTE:
ALL CIRCUITS ON THIS PAGE ARE VO DEDICATED
B-7-62
SYM ZONE DESCRIPTION DATE APPROVED
REVISIONS
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
OFF BAY 1
FEDP-81 REV. H
SIZE D DWG. NO. RCA/SOPL-69000 REV
PROJ NO. 10-9130 SHEET 5

339


OPF BAY 1 OR BAY 2 ROOM 107
OFT
OPS
CIRCUIT TITLE
VABR
LCC
DFI FDM FM-F1 OUT 1. B1.
DFI ASC RCDR OUT 1. B1.
DFI MSN RCDR OUT 1. B1.
P/L OR MADS RCDR TRK 1 SIG OUT B1. B2.
DFI FDM FM-F1 OUT 2. B1.
DFI ASC RCDR OUT 2. B1.
DFI MSN RCDR OUT 2 B1.
P/L OR MADS RCDR TRK 2 SIG OUT B1. B2.
DFI FDM FM-F1 OUT 3 B1.
DFI ASC RCDR OUT 3 B1.
DFI MSN RCDR OUT 3 B1.
P/L OR MADS RCDR TRK 3 SIG OUT B1. B2.
DFI FDM FM-F1 OUT 4 B1.
DFI ASC RCDR OUT 4 B1.
DFI MSN RCDR OUT 4 B1.
P/L OR MADS RCDR TRK 4 SIG OUT B1. B2.
DFI FDM FM-F1 OUT 1 B1.
DFI ASC RCDR OUT 5 B1.
DFI MSN RCDR OUT 5 B1.
P/L OR MADS RCDR TRK 5 SIG OUT B1. B2.
DFI FDM FM-F2 OUT 1 B1.
DFI ASC RCDR OUT 6 B1.
DFI MSN RCDR OUT 6 B1.
P/L OR MADS RCDR TRK 6 SIG OUT B1. B2.
DFI FDM FM-F2 OUT 2 B1.
DFI ASC RCDR OUT 7 B1.
DFI MSN RCDR OUT 7 B1.
P/L OR MADS RCDR TRK 7 SIG OUT B1. B2.
DFI FDM FM-F2 OUT 3 B1.
DFI ASC RCDR OUT 8 B1.
DFI MSN RCDR OUT 8. B1.
P/L OR MADS RCDR TRK 8 SIG OUT B1. B2.
1LPM1051 N/A
N/A 1LPM1051
OF TRUNK 10
1LPM1054 N/A
N/A 1LPM1054
OPF TRUNK 11
1LPM1057 N/A
N/A 1LPM1057
OPF TRUNK 12
1LPM1060 N/A
N/A 1LPM1060
OPF TRUNK 13
1LPM1063 N/A
N/A 1LPM1063
OPF TRUNK 14
1LPM1066 N/A
N/A 1LPM1066
OPF TRUNK 15
1LPM1069 N/A
N/A 1LPM1069
OPF TRUNK 16
1LPM1072 N/A
N/A 1LPM1072
OPF TRUNK 17
2PI7
2PI7
2PI7
2PI7
2PI7
2PI7
2PI7
B-7-63
LEGEND
2PI7 IS RPS STATION
NOTE:
ALL CIRCUITS ON THIS PAGE ARE VO DEDICATED
REVISIONS
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
OPF BAY 1 OR BAY 2
TIME SHARES
FEDP-81 REV. H
D
RCA/SOPL-69000
PROJ NO. 10-9150
SHEET 4

370


OPF BAY 1. OR BAY 2. ROOM 107.
OFT
OPS
CIRCUIT TITLE
VABR
LCC
DFI FDM FM-F2 OUT 4
DFI ASC RCDR OUT 9
DFI MSN RCDR OUT 9
P/L OR MADS RCDR TRK 9 SIG OUT
DFI FDM FM-F3 OUT 1
DFI ASC RCDR OUT 10
DFI MSN RCDR OUT 10
P/L OR MADS RCDR TRK 10 SIG OUT
DFI FDM FM-F3 OUT 2
DFI ASC RCDR OUT 11
DFI MSN RCDR OUT 11
P/L OR MADS RCDR TRK 11 SIG OUT
DFI FDM FM-F3 OUT 3
DFI ASC RCDR OUT 12
DFI MSN RCDR OUT 12
P/L OR MADS RCDR TRK 12 SIG OUT
DFI FDM FM-F3 OUT 4
DFI ASC RCDR OUT 13
DFI MSN RCDR OUT 13
P/L OR MADS RCDR TRK 13 SIG OUT
DFI FDM FM-R1 OUT 1
DFI ASC RCDR OUT 14
DFI MSN RCDR OUT 14
P/L OR MADS RCDR TRK 14 SIG OUT
DFI FDM FM-R1 OUT 2
P/L RCDR TRK 1 SIG OUT
DFI MSN RCDR OUT 15
DFI FDM FM-R1 OUT 3
P/L RCDR TRK 2 SIG OUT
DFI MSN RCDR OUT 16
ILPM1075
ILPM1078
ILPM1081
ILPM1084
ILPM1087
ILPM1090
ILPM1093
ILPM1096
N/A
OPF TRUNK 18
OPF TRUNK 19
OPF TRUNK 20
OPF TRUNK 21
OPF TRUNK 22
OPF TRUNK 23
OPF TRUNK 24
OPF TRUNK 25
2P17
LEGEND
2P17 IS RPS STATION
NOTE:
ALL CIRCUITS ON THIS PAGE ARE Y0 DEDICATED.
REVISIONS
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
OPF BAY 1 OR BAY 2
TIME SHARES
FEDP-81 REV.11
RCA/SOPL-69000
D
B-7-64


OPF BAY 1 OR 2 ROOM 107
VABR
LCC
OFT
UPG
CIRCUIT TITLE
DFI FDM FM-B1 OUT 4 B1
P/L RCDR TRK 3 SIG OUT B1
DFI MSN RCDR OUT 17 B1
ILPM1099 N/A OPF TRUNK 26
2PI7
DFI FDM FM-B2 OUT 1 B1
P/L RCDR TRK 4 SIG C/T B1
DFI MSN RCDR OUT 18 B1
ILPM1102 N/A OPF TRUNK 27
2PI7
DFI FDM FM-B2 OUT 2 B1
P/L RCDR TRK 5 SIG OUT B1
DFI MSN RCDR OUT 19 B1
ILPM1105 N/A OPF TRUNK 28
2PI7
DFI FDM FM-B2 OUT 3 B1
P/L RCDR TRK 6 SIG OUT B1
DFI MSN RCDR OUT 20 B1
ILPM1108 N/A OPF TRUNK 29
2PI7
DFI FDM FM-B2 OUT 4 B1
P/L RCDR TRK 7 SIG OUT B1
DFI MSN RCDR OUT 21 B1
ILPM1111 N/A OPF TRUNK 30
2PI7
DFI FDM FM-C1 OUT 1 B1
P/L RCDR TRK 8 SIG OUT B1
DFI MSN RCDR OUT 22 B1
ILPM1114 N/A OPF TRUNK 31
2PI7
DFI FDM FM-C1 OUT 2 B1
P/L RCDR TRK 9 SIG OUT B1
DFI MSN RCDR OUT 23 B1
ILPM1117 N/A OPF TRUNK 32
2PI7
DFI FDM FM-C1 OUT 3 B1
P/L RCDR TRK 10 SIG OUT B1
DFI MSN RCDR OUT 24 B1
ILPM1120 N/A OPF TRUNK 33
2PI7
DFI FDM FM-C1 OUT 4 B1
P/L RCDR TRK 11 SIG OUT B1
DFI MSN RCDR OUT 25 B1
ILPM1123 N/A OPF TRUNK 34
2PI7
DFI FDM FM-C2 OUT 1 B1
P/L RCDR TRK 12 SIG OUT B1
DFI MSN RCDR OUT 26 B1
ILPM1126 N/A OPF TRUNK 35
2PI7
DFI FDM FM-C2 OUT 2 B1
P/L RCDR TRK 13 SIG OUT B1
DFI MSN RCDR OUT 27 B1
ILPM1129 N/A OPF TRUNK 36
2PI7
DFI FDM FM-C2 OUT 3 B1
P/L RCDR TRK 14 SIG OUT B1
DFI MSN RCDR OUT 28 B1
ILPM1132 N/A OPF TRUNK 37
2PI7
DFI FDM FM-C2 OUT 4 B1
ILPM1135 N/A OPF TRUNK 38
2PI7
LEGEND
2PI7 IS RPS STATION
NOTE:
ALL CIRCUITS ON THIS PAGE ARE I/O DEDICATED.
B-7-65
DESCRIPTION
DATE
APPROVED
REVISIONS
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
OPF BAY 1 OR BAY 2
TIME SHARES
FEDP-81 REV. 11
SIZE D
DWG. NO. RCA/SOPL-69000
REV
PROJ NO. 10-9130
SHEET 6

OPF BAY 1 OR BAY 2 ROOM 107		OFT	OPS	CIRCUIT TITLE	VABR	LCC
DFI FDM FM-L1 OUT 1.	B1	ILPM1135	N/A	OPF TRUNK 39		2PI7
DFI ET FDM MUX 1 SIM	B1					
DFI FDM FM-L1 OUT 2.	B1	ILPM1141	N/A	OPF TRUNK 40		2PI7
DFI ET FDM MUX 2 SIM	B1					
DFI FDM FM-L1 OUT 3	B1	ILPM1144	N/A	OPF TRUNK 41		2PI7
DFI ET FDM MUX 3 SIM	B1					
DFI FDM FM-L1 OUT 4	B1	ILPM1147	N/A	OPF TRUNK 42		2PI7
DFI ET FDM MUX 4 SIM	B1					
DFI FDM FM-L2 OUT 1	B1	ILPM1150	N/A	OPF TRUNK 43		2PI7
DFI ET FDM MUX 5 SIM	B1					
DFI FDM FM-L2 OUT 2.	B1	ILPM1153	N/A	OPF TRUNK 44		2PI7
DFI PCM RCDR	B1					
DFI FDM FM-L2 OUT 3	B1	ILPM1156	N/A	OPF TRUNK 45		2PI7
DFI FDM FM-L2 OUT 4	B1	ILPM1159	N/A	OPF TRUNK 46		2PI7
CARRY ON TV 1	B1 / B2	ITVM1167	ITVM1167	OPF B1/B2 CARRY ON TV 1		1P2
CARRY ON TV 2	B1 / B2	ITVM1168	ITVM1168	OPF B1/B2 CARRY ON TV 2		1P2
CARRY ON TV 3	B1 / B2	ITVM1169	ITVM1169	OPF B1/B2 CARRY ON TV 3		1P2

LEGEND

2FI7 IS RPS STATION

NOTE:

ALL CIRCUITS ON THIS PAGE ARE VO DEDICATED.

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED

ORIGINATOR		DATE
DRAWN		
CHECKED		
ENGINEER		
SUBMITTED		
APPROVED		DATE
TITLE		

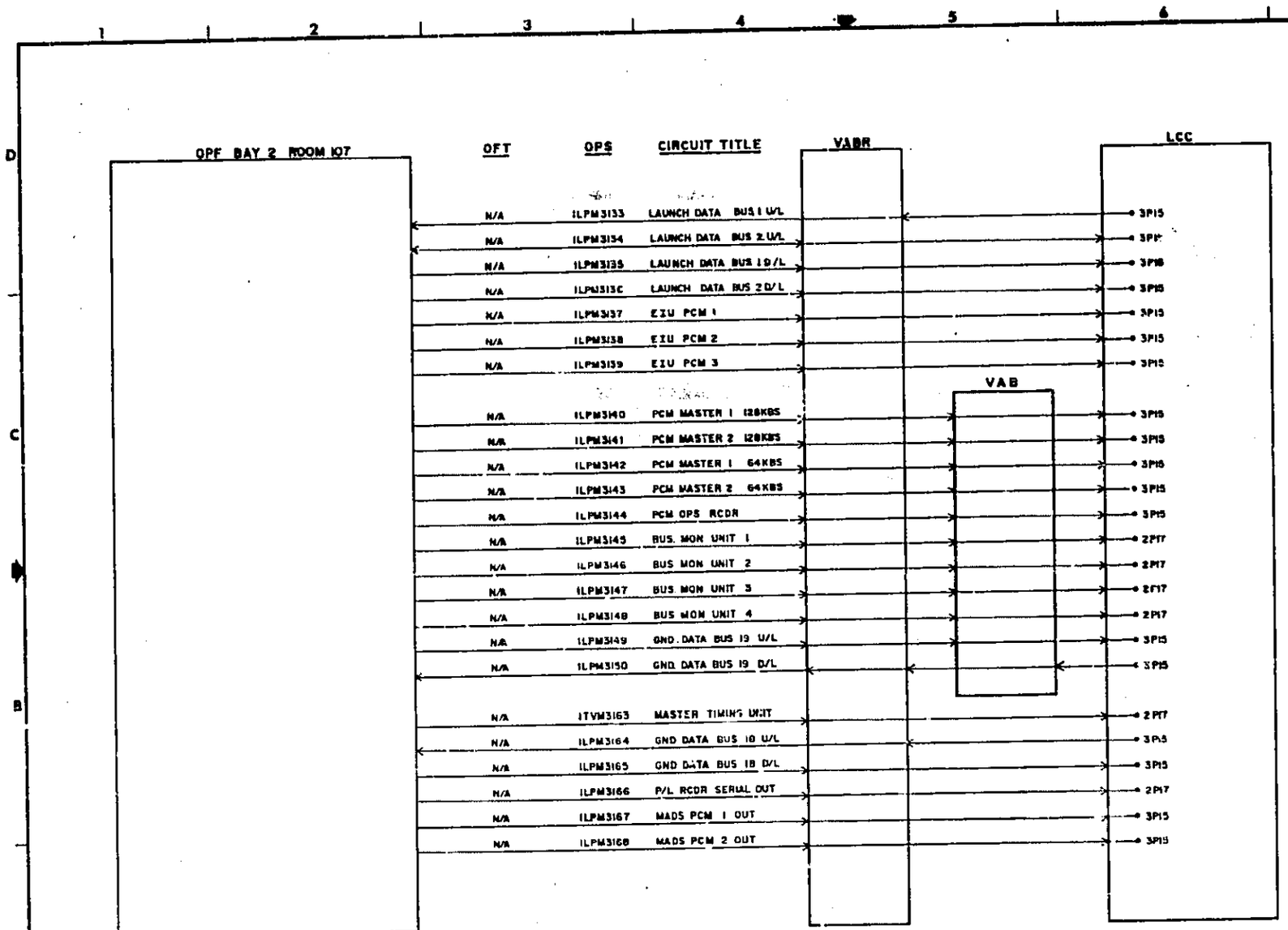
GODDARD SPACE FLIGHT CENTER

WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
OPF BAY 1 OR BAY 2
TIME SHARES
FEDP-81 REV 11

SIZE D | CONTRACT NO. RCA/SOPL-69000 | REV

SPECIAL NO. 10-2439 | SHEET 7

3 1/2



LEGEND

2P17 IS RPS STATION
3P18 IS VIDEO SWITCH

NOTE:

ALL CIRCUITS ON THIS PAGE ARE VO DEDICATED.

B-7-67

SYM	ZONE	DESCRIPTION	DATE	APPROVED

REVISIONS

SIGNATURES	DATE
DRAWN	
CHECKED	
ENGR.	
SUBMITTED	
APPROVED	DATE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
FLORIDA SPACE CENTER, FLORIDA

WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
OPF BAY 2
FEDP-81 REV. II

SIZE D | DWG. NO. RCA/SOPL-69000 | REV
PROJ. NO. 10-9130 | SHEET 1
TITLE

34/44

VAB HI BAY 1	OFT	OPS	CIRCUIT TITLE	LCC
	N/A	ILPM3174	VAB I LAUNCH DATA BUS 1 D/L	3P15
	N/A	ILPM3175	VAB I LAUNCH DATA BUS 2 D/L	3P15
	N/A	ILPM3176	VAB I LAUNCH DATA BUS 1 D/L	3P15
	N/A	ILPM3177	VAB I LAUNCH DATA BUS 2 D/L	3P15
	N/A	ILPM3178	VAB I EIU PCM 1	3P15
	N/A	ILPM3179	VAB I EIU PCM 2	3P15
	N/A	ILPM3180	VAB I EIU PCM 3	3P15
	N/A	ILPM3181	VAB I PCM MASTER 1 128KBS	3P15
	N/A	ILPM3182	VAB I PCM MASTER 2 128KBS	3P15
	N/A	ILPM3183	VAB I PCM MASTER 1 64KBS	3P15
	N/A	ILPM3184	VAB I PCM MASTER 2 64KBS	3P15
	N/A	ILPM3185	VAB I PCM OPS RCDR	3P15
	N/A	ILPM3186	VAB I BUS MON UNIT 1	3P15
	N/A	ILPM3187	VAB I BUS MON UNIT 2	3P15
	N/A	ILPM3188	VAB I BUS MON UNIT 3	3P15
	N/A	ILPM3189	VAB I BUS MON UNIT 4	3P15
DFI RH SRB FDM 1 MUX 1				
DFI RH SRB FLT RCDR TRK 1 SIG OUT				
DFI LH SRB FLT RCDR TRK 1 SIG OUT	N/A	ILPM3190	VAB I TRUNK 1	2P17
P/L RCDR TRK 1 SIG OUT				
MADS RCDR TRK 1 SIG OUT				
DFI RH SRB FDM 1 MUX 2				
DFI RH SRB FLT RCDR TRK 2 SIG OUT				
DFI LH SRB FLT RCDR TRK 2 SIG OUT	N/A	ILPM3191	VAB I TRUNK 2	2P17
P/L RCDR TRK 2 SIG OUT				
MADS RCDR TRK 2 SIG OUT				
DFI RH SRB FDM 2 MUX 1				
DFI RH SRB FLT RCDR TRK 3 SIG OUT				
DFI LH SRB FLT RCDR TRK 3 SIG OUT	N/A	ILPM3192	VAB I TRUNK 3	2P17
P/L RCDR TRK 3 SIG OUT				
MADS RCDR TRK 3 SIG OUT				
DFI RH SRB FDM 2 MUX 2				
DFI RH SRB FLT RCDR TRK 4 SIG OUT				
DFI LH SRB FLT RCDR TRK 4 SIG OUT	N/A	ILPM3193	VAB I TRUNK 4	2P17
P/L RCDR TRK 4 SIG OUT				
MADS RCDR TRK 4 SIG OUT				
DFI LH SRB FDM 1 MUX 1				
DFI RH SRB FLT RCDR TRK 5 SIG OUT				
DFI LH SRB FLT RCDR TRK 5 SIG OUT	N/A	ILPM3194	VAB I TRUNK 5	2P17
P/L RCDR TRK 5 SIG OUT				
MADS RCDR TRK 5 SIG OUT				
DFI LH SRB FDM 2 MUX 1				
DFI RH SRB FLT RCDR TRK 6 SIG OUT				
DFI LH SRB FLT RCDR TRK 6 SIG OUT	N/A	ILPM3195	VAB I TRUNK 6	2P17
P/L RCDR TRK 6 SIG OUT				
MADS RCDR TRK 6 SIG OUT				
DFI LH SRB FDM 2 MUX 2				
DFI RH SRB FLT RCDR TRK 7 SIG OUT				
DFI LH SRB FLT RCDR TRK 7 SIG OUT	N/A	ILPM3196	VAB I TRUNK 7	2P17
P/L RCDR TRK 7 SIG OUT				
MADS RCDR TRK 7 SIG OUT				

LEGEND

2P17 IS RPS STATION
3P15 IS VIDEO SWITCH

NOTE:

ALL CIRCUITS ON THIS PAGE ARE VO DEDICATED.

B-7-68

SYM	ZONE	DESCRIPTION	DATE	APPROVED
		REVISIONS		

SIGNATURES	DATE
DRAWN	
CHECKED	
ENGINEER	
SUBMITTED	
APPROVED	

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
VAB HI BAY 1.
FEDP-81 REV. 11

SIZE	DWG. NO.	REV
D	RCA/SOPL-69000	

PROJ. NO. 19-9130 SHEET 9

3/6

VAB HI BAY 1	OFT	OPS	CIRCUIT TITLE	LCC
DFI ET FDM GSE 1				
DFI RH SRB FLT RCDR TRK 8 SIG OUT	N/A	ILPM3197	VAB 1 TRUNK 8	2P17
DFI LH SRB FLT RCDR TRK 8 SIG OUT				
P/L RCDR TRK 8 SIG OUT				
MADS RCDR TRK 8 SIG OUT				
DFI ET FDM GSE 2				
DFI RH SRB FLT RCDR TRK 9 SIG OUT	N/A	ILPM3198	VAB 1 TRUNK 9	2P17
DFI LH SRB FLT RCDR TRK 9 SIG OUT				
P/L RCDR TRK 9 SIG OUT				
MADS RCDR TRK 9 SIG OUT				
DFI ET FDM GSE 3				
DFI RH SRB FLT RCDR TRK 10 SIG OUT	N/A	ILPM3199	VAB 1 TRUNK 10	2P17
DFI LH SRB FLT RCDR TRK 10 SIG OUT				
P/L RCDR TRK 10 SIG OUT				
MADS RCDR TRK 10 SIG OUT				
DFI ET FDM GSE 4				
DFI RH SRB FLT RCDR TRK 11 SIG OUT	N/A	ILPM3200	VAB 1 TRUNK 11	2P17
DFI LH SRB FLT RCDR TRK 11 SIG OUT				
P/L RCDR TRK 11 SIG OUT				
MADS RCDR TRK 11 SIG OUT				
DFI ET FDM GSE 5				
DFI RH SRB FLT RCDR TRK 12 SIG OUT	N/A	ILPM3201	VAB 1 TRUNK 12	2P17
DFI LH SRB FLT RCDR TRK 12 SIG OUT				
P/L RCDR TRK 12 SIG OUT				
MADS RCDR TRK 12 SIG OUT				
DFI RH SRB FLT RCDR TRK 13 SIG OUT				
DFI LH SRB FLT RCDR TRK 13 SIG OUT	N/A	ILPM3202	VAB 1 TRUNK 13	2P17
P/L RCDR TRK 13 SIG OUT				
MADS RCDR TRK 13 SIG OUT				
DFI RH SRB FLT RCDR TRK 14 SIG OUT				
DFI LH SRB FLT RCDR TRK 14 SIG OUT	N/A	ILPM3203	VAB 1 TRUNK 14	2P17
P/L RCDR TRK 14 SIG OUT				
MADS RCDR TRK 14 SIG OUT				
	N/A	ILPM3204	VAB 1 MASTER TIMING UNIT	2P17
	N/A	ILPM3207	VAB 1 P/L RCDR SERIAL OUT	2P17
	N/A	ILPM3212	VAB 1 MADS PCM 1 OUT	3P15
	N/A	ILPM3213	VAB 1 MADS PCM 2 OUT	3P15
	N/A	ILPM3219	VAB 1 ET PCM MUX 1	3P15
	N/A	ILPM3220	VAB 1 RH SRB PCM MUX 1	3P15
	N/A	ILPM3221	VAB 1 RH SRB PCM MUX 2	3P15
	N/A	ILPM3222	VAB 1 LH SRB PCM MUX 1	3P15
	N/A	ILPM3223	VAB 1 LH SRB PCM MUX 2	3P15

LEGEND

2P17 IS RPS STATION
3P15 IS VIDEO SWITCH

NOTE:

ALL CIRCUITS ON THIS PAGE ARE VO DEDICATED.

1. DELETE AFTER STS 7
2. DELETE AFTER STS 22

B-7-69

SYM.	ZONE	DESCRIPTION	DATE	APPROVED
		REVISIONS		

SIGNATURES	DATE
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ENGINEER	
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APPROVED	

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
VAB HI BAY 1.
FEDP-81 REV. 11

SIZE	DWG. NO.	REV
D	RCA/SOPL-69000	

SCALE: 10-0150 SHEET 10

TITLE

346

VAB HI BAY 3	OFT	OPS	CIRCUIT TITLE	LCC
ALL TERM AT MLP IOB				
	ILPMI513	ILPMI513	VAB 3 ETU PCM 1	3PI5
	ILPMI514	ILPMI514	VAB 3 ETU PCM 2	3PI5
	ILPMI515	ILPMI515	VAB 3 EIU PCM 3	3PI5
	ILPMI516	ILPMI516	VAB 3 PCM MASTER 1 128KBS	3PI5
	ILPMI517	ILPMI517	VAB 3 PCM MASTER 2 128KBS	3PI5
	ILPMI518	ILPMI518	VAB 3 PCM MASTER 1 64KBS	3PI5
	ILPMI519	ILPMI519	VAB 3 PCM MASTER 2 64KBS	3PI5
	ITVMI520	ITVMI520	VAB 3 MASTER TIMING UNIT	2PI7
	ILPMI688	ILPMI688	VAB 3 LAUNCH DATA BUS 1 U/L	3PI5
	ILPMI689	ILPMI689	VAB 3 LAUNCH DATA BUS 2 U/L	3PI5
	ILPMI690	ILPMI690	VAB 3 LAUNCH DATA BUS 1 D/L	3PI5
	ILPMI691	ILPMI691	VAB 3 LAUNCH DATA BUS 2 D/L	3PI5
	ILPMI692	ILPMI692	VAB 3 PCM OPS RCDR	3PI5
	ILPMI693	N/A	VAB 3 DFI ET PCM 1	3PI5
	N/A	① ILPMI693	VAB 3 MADS ET PCM MUX 1	
	ILPMI694	N/A	VAB 3 DFI PCM 1 OUT	3PI5
	N/A	ILPMI694	VAB 3 MADS PCM 1 OUT	
	ILPMI695	N/A	VAB 3 DFI PCM 2 OUT	3PI5
	N/A	ILPMI695	VAB 3 MADS PCM 2 OUT	
	ILPMI696	ILPMI696	VAB 3 BUS MON UNIT 1	2PI7
	ILPMI697	ILPMI697	VAB 3 BUS MON UNIT 2	2PI7
	ILPMI698	ILPMI698	VAB 3 BUS MON UNIT 3	2PI7
	ILPMI699	ILPMI699	VAB 3 BUS MON UNIT 4	2PI7
	ILPMI700	② ILPMI700	VAB 3 DFI RH SRB PCM MUX 1	3PI5
	ILPMI701	② ILPMI701	VAB 3 DFI RH SRB PCM MUX 2	3PI5
	ILPMI702	② ILPMI702	VAB 3 DFI LH SRB PCM MUX 1	3PI5
	ILPMI703	② ILPMI703	VAB 3 DFI LH SRB PCM MUX 2	3PI5
	ILPMI775	ILPMI775	VAB 3 P/L RCDR SERIAL OUT	2PI7
DFI FDM FM-FI OUT 1 DFI ASC RCDR OUT 1 DFI MSN RCDR OUT 1	ILPMI522	N/A	VAB TRUNK 1	2PI7
DFI FDM FM-FI OUT 2 DFI ASC RCDR OUT 2 DFI MSN RCDR OUT 2	ILPMI524	N/A	VAB TRUNK 2	2PI7
DFI FDM FM-FI OUT 3 DFI ASC RCDR OUT 3 DFI MSN RCDR OUT 3	ILPMI527	N/A	VAB TRUNK 3	2PI7
DFI FDM FM-FI OUT 4 DFI ASC RCDR OUT 4 DFI MSN RCDR OUT 4	ILPMI530	N/A	VAB TRUNK 4	2PI7

LEGEND

2PI7 IS RPS STATION
3PI5 IS VIDEO SWITCH

NOTE:

ALL CIRCUITS ON THIS PAGE ARE VC DEDICATED

1. DELETE AFTER STS 7
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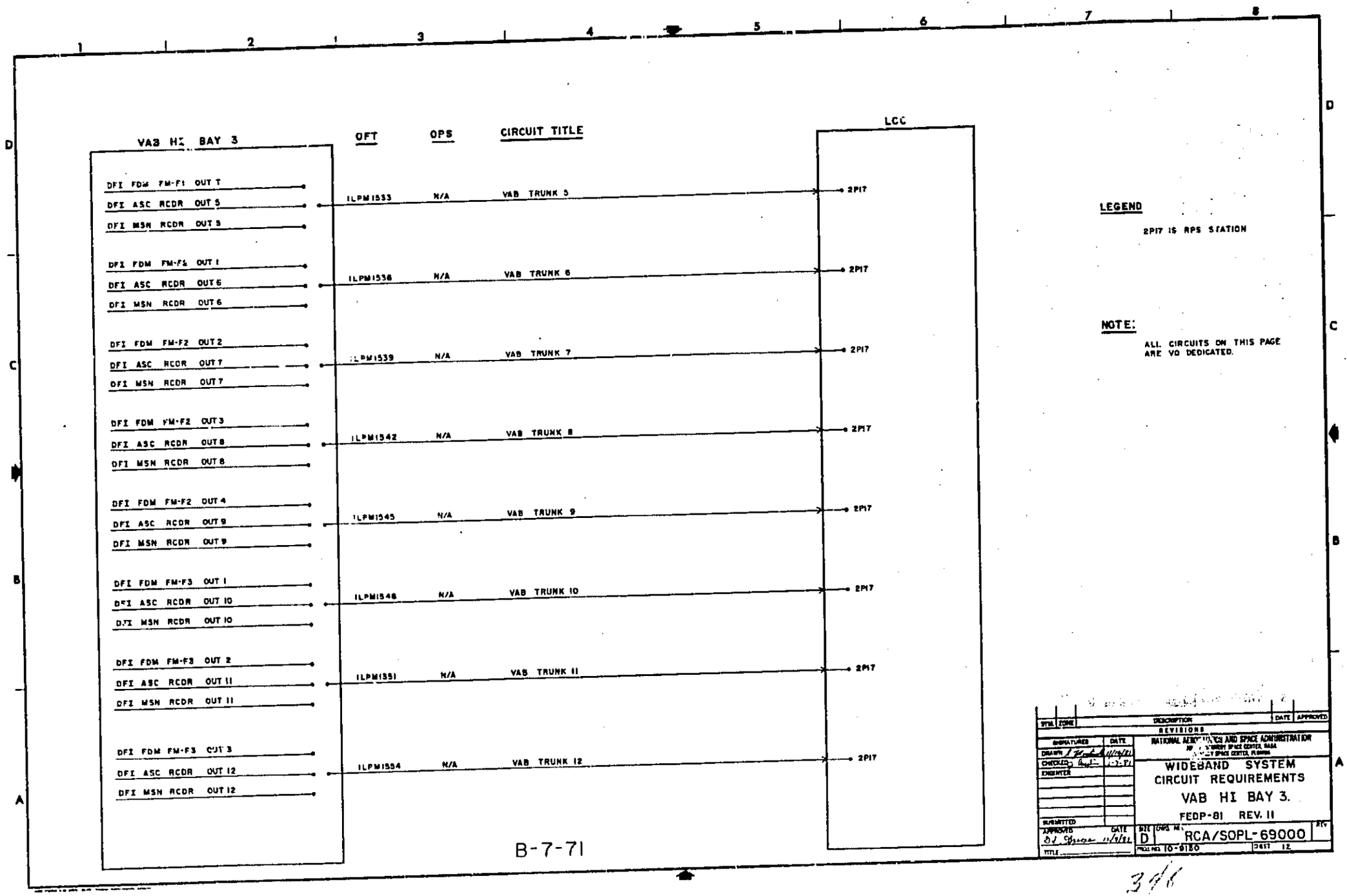
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
VAB HI BAY 3.
FEDF-81 REV. 11

D RCA/SOPL-69000


VAB HI BAY 3
OFT
OPS
CIRCUIT TITLE
LCC
DFI FDM FM-F1 OUT 7
DFI ASC RCDR OUT 5
DFI MSN RCDR OUT 5
ILPM1533 N/A VAB TRUNK 5
2PI7
DFI FDM FM-F1 OUT 1
DFI ASC RCDR OUT 6
DFI MSN RCDR OUT 6
ILPM1536 N/A VAB TRUNK 6
2PI7
DFI FDM FM-F2 OUT 2
DFI ASC RCDR OUT 7
DFI MSN RCDR OUT 7
ILPM1539 N/A VAB TRUNK 7
2PI7
DFI FDM FM-F2 OUT 3
DFI ASC RCDR OUT 8
DFI MSN RCDR OUT 8
ILPM1542 N/A VAB TRUNK 8
2PI7
DFI FDM FM-F2 OUT 4
DFI ASC RCDR OUT 9
DFI MSN RCDR OUT 9
ILPM1545 N/A VAB TRUNK 9
2PI7
DFI FDM FM-F3 OUT 1
DFI ASC RCDR OUT 10
DFI MSN RCDR OUT 10
ILPM1548 N/A VAB TRUNK 10
2PI7
DFI FDM FM-F3 OUT 2
DFI ASC RCDR OUT 11
DFI MSN RCDR OUT 11
ILPM1551 N/A VAB TRUNK 11
2PI7
DFI FDM FM-F3 OUT 3
DFI ASC RCDR OUT 12
DFI MSN RCDR OUT 12
ILPM1554 N/A VAB TRUNK 12
2PI7
LEGEND
2PI7 IS RPS STATION
NOTE:
ALL CIRCUITS ON THIS PAGE ARE VO DEDICATED.
SYM ZONE DESCRIPTION DATE APPROVED
REVISIONS
SIGNATURES DATE
DRAWN 11-2-71
CHECKED 11-2-71
ENGINEER
SUBMITTED
APPROVED DATE 11/4/71
TITLE
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
KENNEDY SPACE CENTER, FLORIDA
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
VAB HI BAY 3.
FEDP-81 REV. 11
SIZE D
CAGE NO. 07917
RCA/SOPL-69000
REV
PROJ NO. 10-9130
SHEET 12

B-7-71

3 of 6

VAB HI BAY 3	LIFT	OPS	CIRCUIT TITLE	LCC
DFI FDM FM-R3 OUT 4				
DFI ASC RCDR OUT 13	ILPM1557	N/A	VAB TRUNK 13	2P17
DFI MSN RCDR OUT 13				
DFI FDM FM-R1 OUT 1				
DFI ASC RCDR OUT 14	ILPM1560	N/A	VAB TRUNK 14	2P17
DFI MSN RCDR OUT 14				
DFI FDM FM-R1 OUT 2				
P/L RCDR TRK 1 SIG OUT	ILPM1563	N/A	VAB TRUNK 15	2P17
DFI MSN RCDR OUT 15				
DFI FDM FM-R1 OUT 3				
P/L RCDR TRK 2 SIG OUT	ILPM1566	N/A	VAB TRUNK 16	2P17
DFI MSN RCDR OUT 16				
DFI FDM FM-R1 OUT 4				
P/L RCDR TRK 3 SIG OUT	ILPM1569	N/A	VAB TRUNK 17	2P17
DFI MSN RCDR OUT 17				
DFI FDM FM-R2 OUT 1				
P/L RCDR TRK 4 SIG OUT	ILPM1572	N/A	VAB TRUNK 18	2P17
DFI MSN RCDR OUT 18				
DFI FDM FM-R2 OUT 2				
P/L RCDR TRK 5 SIG OUT	ILPM1575	N/A	VAB TRUNK 19	2P17
DFI MSN RCDR OUT 19				
DFI FDM FM-R2 OUT 3				
P/L RCDR TRK 6 SIG OUT	ILPM1578	N/A	VAB TRUNK 20	2P17
DFI MSN RCDR OUT 20				

LEGEND

2P17 IS RPS STATION

NOTE:

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B-7-72

SYM	ZONE	DESCRIPTION	DATE	APPROVED
		REVISIONS		

SIGNATURES	DATE
DRAWN	
CHECKED	
ENGINEER	
SUBMITTED	
APPROVED	

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
VAB HI BAY 3.
FEDP-81 REV. 11

SIZE	DWG. NO.	REV
D	RCA/SCPL-69000	

FSCM NO. 10-8130 SHEET 15

3-7-9

VAB HI BAY 3	OFT	OPS	CIRCUIT TITLE	LCC
DFI FDM FM-R2 OUT 4				
P/L RCDR TRK 7 SIG OUT	ILPM1581	N/A	VAB TRUNK 21	2P17
DFI MSN RCDR OUT 21				
DFI FDM FM-C1 OUT 1				
P/L RCDR TRK 8 SIG OUT	ILPM1584	N/A	VAB TRUNK 22	2P17
DFI MSN RCDR OUT 22				
DFI FDM FM-C1 OUT 2				
P/L RCDR TRK 9 SIG OUT	ILPM1587	N/A	VAB TRUNK 23	2P17
DFI MSN RCDR OUT 23				
DFI FDM FM-C1 OUT 3				
P/L RCDR TRK 10 SIG OUT	ILPM1590	N/A	VAB TRUNK 24	2P17
DFI MSN RCDR OUT 24				
DFI FDM FM-C1 OUT 4				
P/L RCDR TRK 11 SIG OUT	ILPM1593	N/A	VAB TRUNK 25	2P17
DFI MSN RCDR OUT 25				
DFI FDM FM-C2 OUT 1				
P/L RCDR TRK 12 SIG OUT	ILPM1596	N/A	VAB TRUNK 26	2P17
DFI MSN RCDR OUT 26				
DFI FDM FM-C2 OUT 2				
P/L RCDR TRK 13 SIG OUT	ILPM1599	N/A	VAB TRUNK 27	2P17
DFI MSN RCDR OUT 27				
DFI FDM FM-C2 OUT 3				
P/L RCDR TRK 14 SIG OUT	ILPM1602	N/A	VAB TRUNK 28	2P17
DFI MSN RCDR OUT 28				

LEGEND

2P17 IS RPS STATION

NOTE:

ALL CIRCUITS ON THIS PAGE ARE VO DEDICATED.

REVISIONS			
SYM	ZONE	DESCRIPTION	DATE	APPROVED

SIGNATURES	DATE
DRAWN	10/4/81
CHECKED	10-22
ENGINEER	
SUBMITTED	
APPROVED	DATE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
VAB HI DAY 3.
FEDP-81 REV. 11

SIZE	DWG. NO.	REV
D	RCA/SOPL-69000	

ITEM NO. 10-9130 SHEET 14

TITLE

3 30

VAB HI BAY 3	OFT	OPS	CIRCUIT TITLE	LCC
DFI FDM FM-C2 OUT 4	ILPMI605	N/A	VAB TRUNK 29	2P17
DFI FDM FM-L1 OUT 1	ILPMI608	N/A	VAB TRUNK 30	2P17
DFI FDM FM-L1 OUT 2	ILPMI611	N/A	VAB TRUNK 31	2P17
DFI FDM FM-L1 OUT 3	ILPMI614	N/A	VAB TRUNK 32	2P17
DFI FDM FM-L1 OUT 4	ILPMI617	N/A	VAB TRUNK 33	2P17
DFI FDM FM-L2 OUT 1	ILPMI620	N/A	VAB TRUNK 34	2P17
DFI FDM FM-L2 OUT 2	ILPMI623	N/A	VAB TRUNK 35	2P17
DFI PCM RCDR				
DFI FDM FM-L2 OUT 3	ILPMI626	N/A	VAB TRUNK 36	2P17
DFI FDM FM-L2 OUT 4	ILPMI629	N/A	VAB TRUNK 37	2P17
DFI RH SRB FDM 1 MUX 1	ILPMI632	N/A	VAB TRUNK 38	2P17
DFI RH SRB FLT RCDR TRK 1 OUT				
DFI LH SRB FLT RCDR TRK 1 OUT	N/A	ILPMI632	VAB 3 TRUNK 1	2P17
P/L RCDR TRK 1 SIG OUT				
MADS RCDR TRK 1 SIG OUT				
DFI RH SRB FDM 1 MUX 2	ILPMI636	N/A	VAB TRUNK 39	2P17
DFI RH SRB FLT RCDR TRK 2 OUT				
DFI LH SRB FLT RCDR TRK 2 OUT	N/A	ILPMI636	VAB 3 TRUNK 2	2P17
P/L RCDR TRK 2 SIG OUT				
MADS RCDR TRK 2 SIG OUT				
DFI RH SRB FDM 2 MUX 1	ILPMI640	N/A	VAB TRUNK 40	2P17
DFI RH SRB FLT RCDR TRK 3 OUT				
DFI LH SRB FLT RCDR TRK 3 OUT	N/A	ILPMI640	VAB 3 TRUNK 3	2P17
P/L RCDR TRK 3 SIG OUT				
MADS RCDR TRK 3 SIG OUT				
DFI RH SRB FDM 2 MUX 2	ILPMI644	N/A	VAB TRUNK 41	2P17
DFI RH SRB FLT RCDR TRK 4 OUT				
DFI LH SRB FLT RCDR TRK 4 OUT	N/A	ILPMI644	VAB 3 TRUNK 4	2P17
P/L RCDR TRK 4 SIG OUT				
MADS RCDR TRK 4 SIG OUT				
DFI LH SRB FDM 1 MUX 1	ILPMI648	N/A	VAB TRUNK 42	2P17
DFI RH SRB FLT RCDR TRK 5 OUT				
DFI LH SRB FLT RCDR TRK 5 OUT	N/A	ILPMI648	VAB 3 TRUNK 5	2P17
P/L RCDR TRK 5 SIG OUT				
MADS RCDR TRK 5 SIG OUT				
DFI LH SRB FDM 2 MUX 1	ILPMI652	N/A	VAB TRUNK 43	2P17
DFI RH SRB FLT RCDR TRK 6 OUT				
DFI LH SRB FLT RCDR TRK 6 OUT	N/A	ILPMI652	VAB 3 TRUNK 6	2P17
P/L RCDR TRK 6 SIG OUT				
MADS RCDR TRK 6 SIG OUT				

LEGEND

2P17 IS LPS STATION

NOTE:

ALL CIRCUITS ON THIS PAGE ARE VO DEDICATED

B-7-74

DWN	DESCRIPTION	DATE	APPROVED
	REVISIONS		

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, FLORIDA

WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
VAB HI BAY 3
FEDP-81 REV. H

SIZE	CODE NO.	REV
D	RCA/SOPL-6900G	

MASTER NO. 80-8150 SHEET 15

APPROVED D.J. Thomson 12/8/81

VAB HI BAY 3	OFT	OPS	CIRCUIT TITLE	LCC
DFI LH SRB FDM 2 MUX 2				
DFI RH SRB FLT RCDR TRK.7 OUT	ILPM1636	N/A	VAB TRUNK 44	2P17
DFI LH SRB FLT RCDR TRK.7 OUT	N/A	ILPM1656	VAB 3 TRUNK 7	2P17
P/L RCDR TRK.7 SIG. OUT				
MADS RCDR TRK.7 SIG. OUT				
DFI ET FDM GSE. 1				
DFI RH SRB FLT RCDR TRK.8 OUT	ILPM1660	N/A	VAB TRUNK 45	2P17
DFI LH SRB FLT RCDR TRK.8 OUT	N/A	ILPM1660	VAB 3 TRUNK 8	2P17
P/L RCDR TRK.8 SIG. OUT				
MADS RCDR TRK.8 SIG. OUT				
DFI ET FDM GSE. 2				
DFI RH SRB FLT RCDR TRK.9 OUT	ILPM1664	N/A	VAB TRUNK 46	2P17
DFI LH SRB FLT RCDR TRK.9 OUT	N/A	ILPM1664	VAB 3 TRUNK 9	2P17
P/L RCDR TRK. 9 SIG. OUT				
MADS RCDR TRK. 9 SIG. OUT				
DFI ET FDM GSE. 3				
DFI RH SRB FLT RCDR TRK.10 OUT	ILPM1668	N/A	VAB TRUNK 47	2P17
DFI LH SRB FLT RCDR TRK.10 OUT	N/A	ILPM1668	VAB 3 TRUNK 10	2P17
P/L RCDR TRK.10 SIG OUT				
MADS RCDR TRK.10 SIG. OUT				
DFI ET FDM GSE. 4				
DFI RH SRB FLT RCDR TRK.11 OUT	ILPM1672	N/A	VAB TRUNK 48	2P17
DFI LH SRB FLT RCDR TRK.11 OUT	N/A	ILPM1672	VAB 3 TRUNK 11	2P17
P/L RCDR TRK. 11 SIG OUT				
MADS RCDR TRK. 11 SIG. OUT				
DFI ET FDM LSE. 5				
DFI RH SRB FLT RCDR TRK.12 OUT	ILPM1676	N/A	VAB TRUNK 49	2P17
DFI LH SRB FLT RCDR TRK.12 OUT	N/A	ILPM1676	VAB 3 TRUNK 12	2P17
P/L RCDR TRK. 12 SIG. OUT				
MADS RCDR TRK. 12 SIG. OUT				
DFI RH SRB FLT RCDR TRK.13 OUT	ILPM1680	N/A	VAB TRUNK 50	2P17
DFI LH SRB FLT RCDR TRK.13 OUT	N/A	ILPM1680	VAB 3 TRUNK 13	2P17
P/L RCDR TRK.13 SIG. OUT				
MADS RCDR TRK.13 SIG. OUT				
DFI RH SRB FLT RCDR TRK.14 OUT	ILPM1684	N/A	VAB TRUNK 51	2P17
DFI LH SRB FLT RCDR TRK.14 OUT	N/A	ILPM1684	VAB 3 TRUNK 14	2P17
P/L RCDR TRK. 14 SIG OUT				
MADS RCDR TRK.14 SIG. OUT				

LEGEND

2P17 IS RPS STATION

NOTE:

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B-7-75

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REVISIONS				

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DRAWN 12-3-79

CHECKED 12-3-79

ENGINEER

SUBMITTED

APPROVED DATE

MGR

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

JOHN F. KENNEDY SPACE CENTER, NASA

KENNEDY SPACE CENTER, FLORIDA

WIDEBAND SYSTEM CIRCUIT REQUIREMENTS

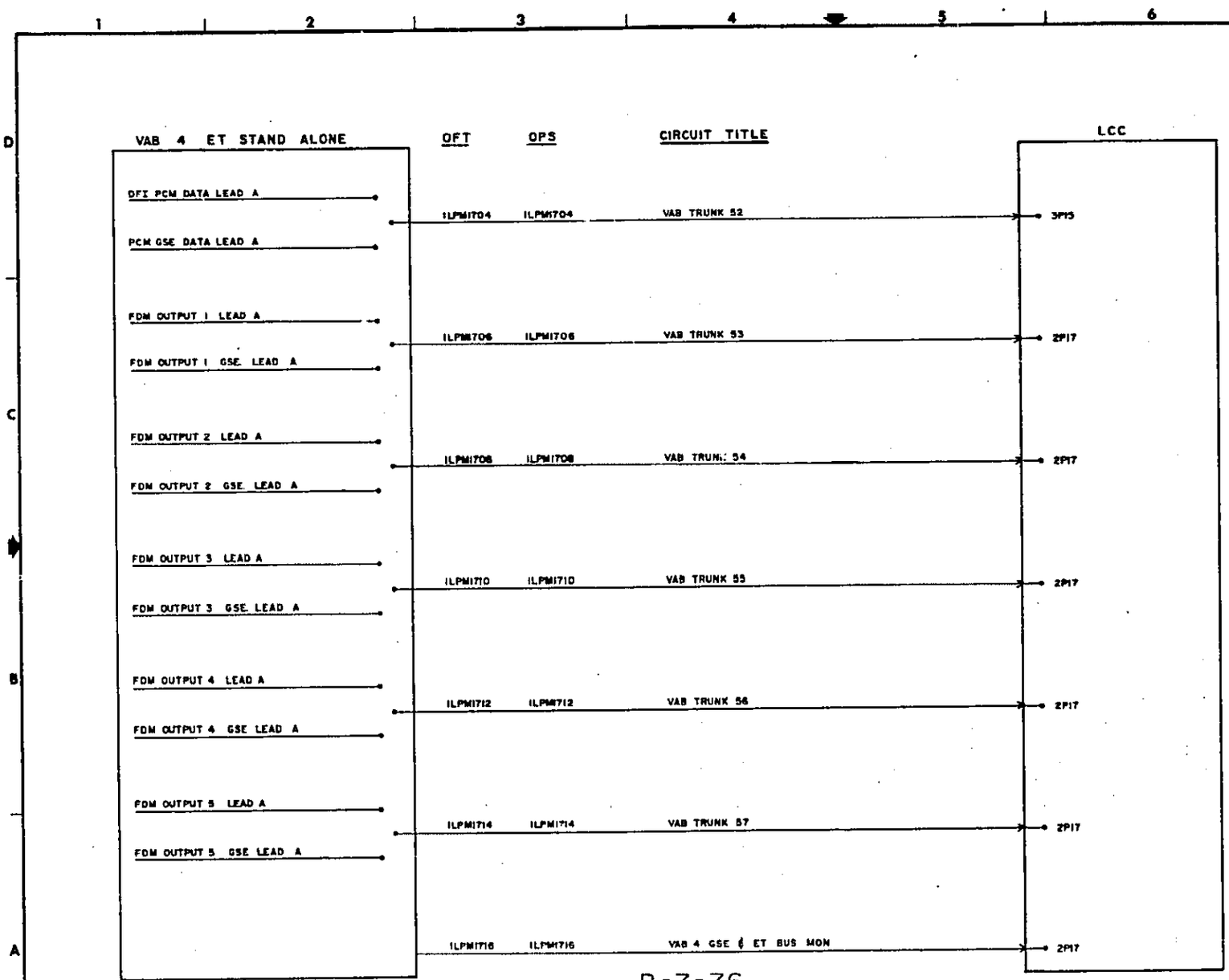
VAB HI BAY 3.

FEDP-81 REV. 11

SIZE D | DWG. NO. RCA/SOPL-69000 | REV

PROJ NO. 10-8150 | SHEET 16

552



B-7-76

LEGEND

2P17 IS RPS STATION
3P15 IS VIDEO SWITCHER

NOTE:

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SYM.	ZONE	DESCRIPTION	DATE	APPROVED

REVISIONS

SIGNATURES	DATE
DRAWN	12/21/11
CHECKED	12-21-11
ENGINEER	
SUBMITTED	
APPROVED	DATE
TITLE	

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

WIDEBAND SYSTEM CIRCUIT REQUIREMENTS VAB HI BAY 4. FEDP-81 REV. 11

SIZE	DRWG. NO.	REV
D	RCA/SOPL-69000	
PROJ. NO. 10-9150	SHEET 17	

PAD A	OFT	OPS	CIRCUIT TITLE	LCC
ALL TERM AT MLP 108	ILPMI201	ILPMI201	PAD A P/L SIG. PROC. OUT	3P15
	ILPMI202	ILPMI202	PAD A FM SIG. PROC. OUT	1P2 / 2P17 / 1P3
	ILPMI204	ILPMI204	PAD A NET SIG PROC. OUT	3P15
	ILPMI208	ILPMI208	PAD A NET SIG. PROC. IN	3P15
	ILPMI211	ILPMI211	PAD A P/L SIG. PROC. IN	3P15
	ILPMI222	ILPMI222	PAD A LAUNCH DATA BUS 1 U/L	3P15
	ILPMI223	ILPMI223	PAD A LAUNCH DATA BUS 2 U/L	3P15
	ILPMI224	ILPMI224	PAD A LAUNCH DATA BUS 1 D/L	3P15
	ILPMI225	ILPMI225	PAD A LAUNCH DATA BUS 2 D/L	3P15
	ILPMI226	ILPMI226	PAD A EIU PCM 1	3P15
	ILPMI227	ILPMI227	PAD A EIU PCM 2	3P15
	ILPMI228	ILPMI228	PAD A EIU PCM 3	3P15
	ILPMI229	ILPMI229	PAD A PCM MASTER 1 128KBS	3P15
	ILPMI230	ILPMI230	PAD A PCM MASTER 2 128KBS	3P15
	ILPMI231	ILPMI231	PAD A PCM MASTER 1 64KBS	3P15
	ILPMI232	ILPMI232	PAD A PCM MASTER 2 64KBS	3P15
	ILPMI233	ILPMI233	PAD A PCM OPERATIONS RCDR	3P15
	ILPMI234	N/A	PAD A DFI ET PCM 1	3P15
	N/A	ILPMI234	① PAD A MADS ET PCM MUX 1	
	ILPMI235	N/A	PAD A DFI PCM 1 OUT	3P15
	N/A	ILPMI235	PAD A MADS PCM 1 OUT	
	ILPMI236	N/A	PAD A DFI PCM 2 OUT	3P15
	N/A	ILPMI236	PAD A MADS PCM 2 OUT	
	ILPMI237	ILPMI237	PAD A BUS MON UNIT 1	2P17
	ILPMI238	ILPMI238	PAD A BUS MON UNIT 2	2P17
	ILPMI239	ILPMI239	PAD A BUS MON UNIT 3	2P17
	ILPMI240	ILPMI240	PAD A BUS MON UNIT 4	2P17
	ILPMI241	ILPMI241	② PAD A DFI RH SRB PCM 1	3P15
	ILPMI242	ILPMI242	② PAD A DFI RH SRB PCM 2	3P15
	ILPMI243	ILPMI243	② PAD A DFI LH SRB PCM 1	3P15
	ILPMI244	ILPMI244	② PAD A DFI LH SRB PCM 2	3P15
DFI FDM FM-FI OUT 1 DFI ASC RCDR OUT 1 DFI MSN RCDR OUT 1	ILPMI245	N/A	PAD A TRUNK 1	2P17
DFI FDM FM-FI OUT 2 DFI ASC RCDR OUT 2 DFI MSN RCDR OUT 2	ILPMI248	N/A	PAD A TRUNK 2	2P17
DFI FDM FM-FI OUT 3 DFI ASC RCDR OUT 3 DFI MSN RCDR OUT 3	ILPMI251	N/A	PAD A TRUNK 3	2P17
DFI FDM FM-FI OUT 4 DFI ASC RCDR OUT 4 DFI MSN RCDR OUT 4	ILPMI254	N/A	PAD A TRUNK 4	2P17

LEGEND

2P17 IS RPS STATION
3P15 IS VIDEO SWITCH

NOTE:

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B-7-77

SYM.	ZONE	DESCRIPTION	DATE	APPROVED
		REVISIONS		

SIGNATURES	DATE
DRAWN	6/26/81
CHECKED	11-3-81
ENGINEER	
SUBMITTED	
APPROVED	DATE 12/4/81

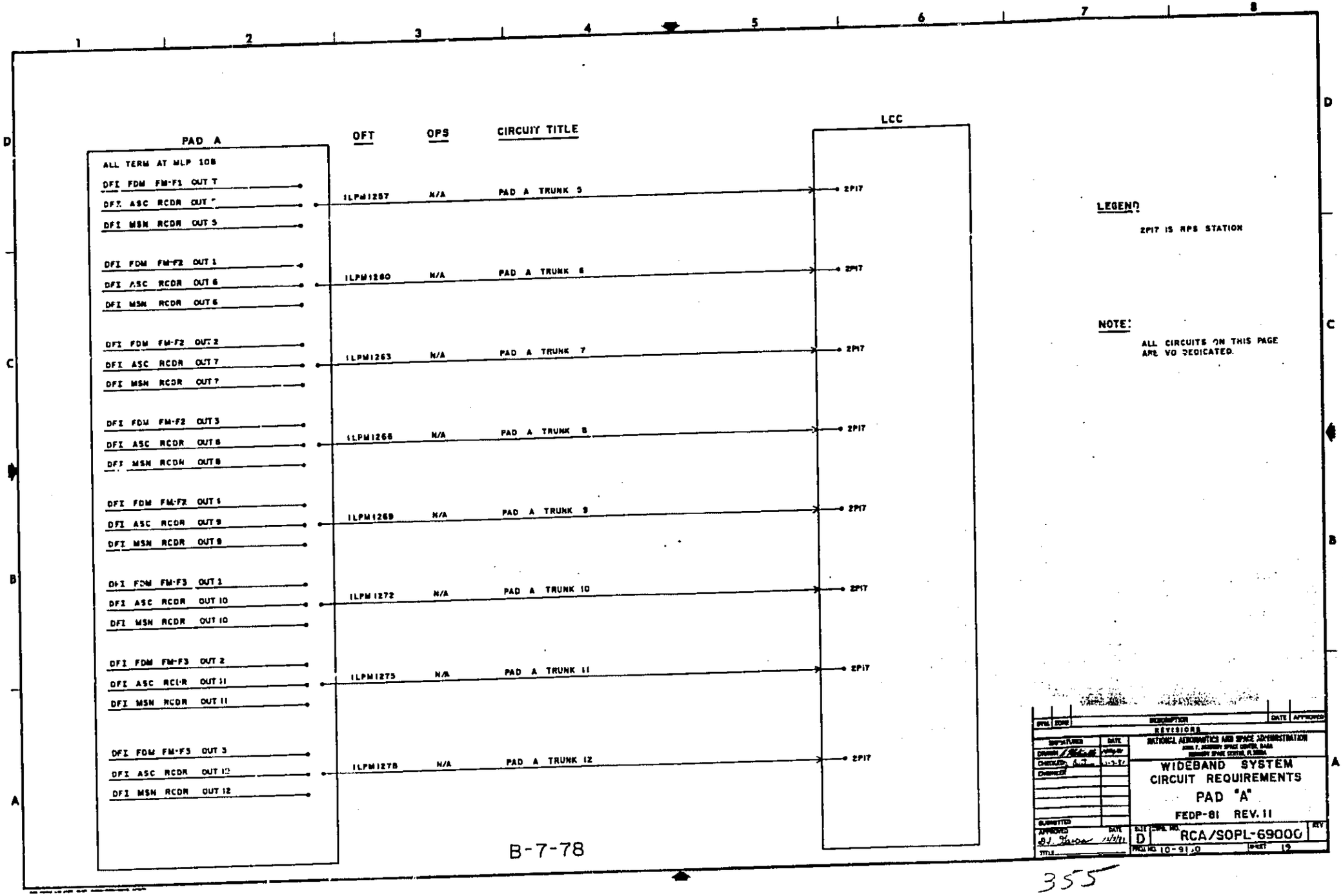
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER, ALABAMA

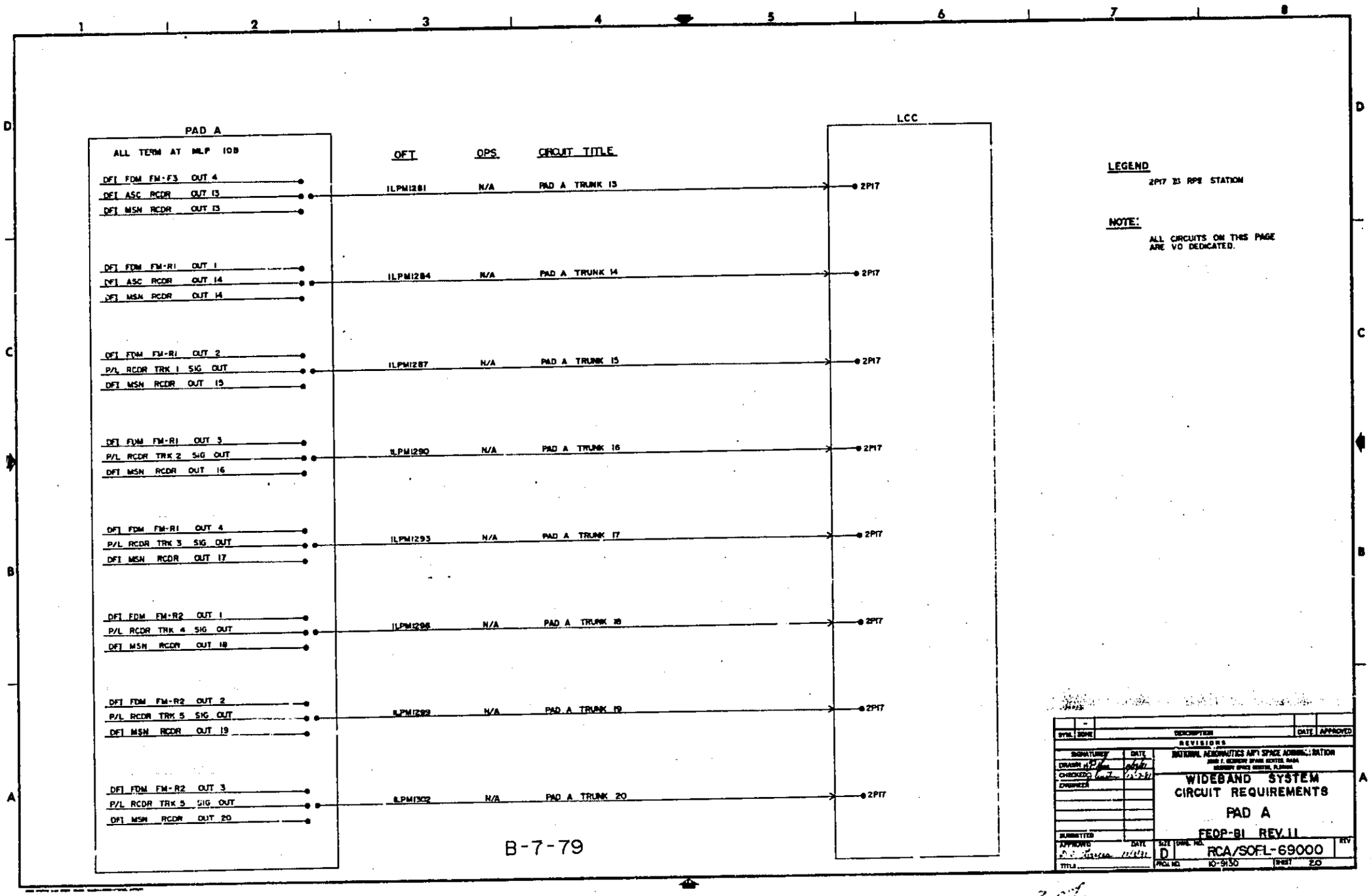
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
PAD "A"
FEDP-81 REV. H

SIZE D | DWG. NO. RCA/SOPL-69000 | REV
PROG. NO. 10-8130 | SHEET 16

TITLE

350f


PAD A
ALL TERM AT MLP 108
OFT
OPS
CIRCUIT TITLE
LCC
DFI FDM FM-F1 OUT 7
DFI ASC RCDR OUT 7
DFI MSN RCDR OUT 5
1LPM1257 N/A PAD A TRUNK 5 2P17
DFI FDM FM-F2 OUT 1
DFI ASC RCDR OUT 6
DFI MSN RCDR OUT 6
1LPM1260 N/A PAD A TRUNK 6 2P17
DFI FDM FM-F2 OUT 2
DFI ASC RCDR OUT 7
DFI MSN RCDR OUT 7
1LPM1263 N/A PAD A TRUNK 7 2P17
DFI FDM FM-F2 OUT 3
DFI ASC RCDR OUT 8
DFI MSN RCDR OUT 8
1LPM1266 N/A PAD A TRUNK 8 2P17
DFI FDM FM-F2 OUT 4
DFI ASC RCDR OUT 9
DFI MSN RCDR OUT 9
1LPM1269 N/A PAD A TRUNK 9 2P17
DFI FDM FM-F3 OUT 1
DFI ASC RCDR OUT 10
DFI MSN RCDR OUT 10
1LPM1272 N/A PAD A TRUNK 10 2P17
DFI FDM FM-F3 OUT 2
DFI ASC RCDR OUT 11
DFI MSN RCDR OUT 11
1LPM1275 N/A PAD A TRUNK 11 2P17
DFI FDM FM-F3 OUT 3
DFI ASC RCDR OUT 12
DFI MSN RCDR OUT 12
1LPM1278 N/A PAD A TRUNK 12 2P17
LEGEND
2P17 IS RPS STATION
NOTE:
ALL CIRCUITS ON THIS PAGE ARE VO DEDICATED.
REVISIONS
DESCRIPTION
DATE
APPROVED
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
PAD "A"
FEDP-81 REV. 11
SIZE D
RCA/SOPL-69000
REV
PROJ NO. 10-91,0
SHEET 19
B-7-78
355


PAD A
ALL TERM AT MLP 108
OFT
OPS
CIRCUIT TITLE
DFI FDM FM-F3 OUT 4
DFI ASC RCDR OUT 13
DFI MSN RCDR OUT 13
ILPM1281
N/A
PAD A TRUNK 13
DFI FDM FM-R1 OUT 1
DFI ASC RCDR OUT 14
DFI MSN RCDR OUT 14
ILPM1284
N/A
PAD A TRUNK 14
DFI FDM FM-R1 OUT 2
P/L RCDR TRK 1 SIG OUT
DFI MSN RCDR OUT 15
ILPM1287
N/A
PAD A TRUNK 15
DFI FDM FM-R1 OUT 3
P/L RCDR TRK 2 SIG OUT
DFI MSN RCDR OUT 16
ILPM1290
N/A
PAD A TRUNK 16
DFI FDM FM-R1 OUT 4
P/L RCDR TRK 3 SIG OUT
DFI MSN RCDR OUT 17
ILPM1293
N/A
PAD A TRUNK 17
DFI FDM FM-R2 OUT 1
P/L RCDR TRK 4 SIG OUT
DFI MSN RCDR OUT 18
ILPM1296
N/A
PAD A TRUNK 18
DFI FDM FM-R2 OUT 2
P/L RCDR TRK 5 SIG OUT
DFI MSN RCDR OUT 19
ILPM1299
N/A
PAD A TRUNK 19
DFI FDM FM-R2 OUT 3
P/L RCDR TRK 5 SIG OUT
DFI MSN RCDR OUT 20
ILPM1302
N/A
PAD A TRUNK 20
LCC
2P17
LEGEND
2P17 IS RPS STATION
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B-7-79
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
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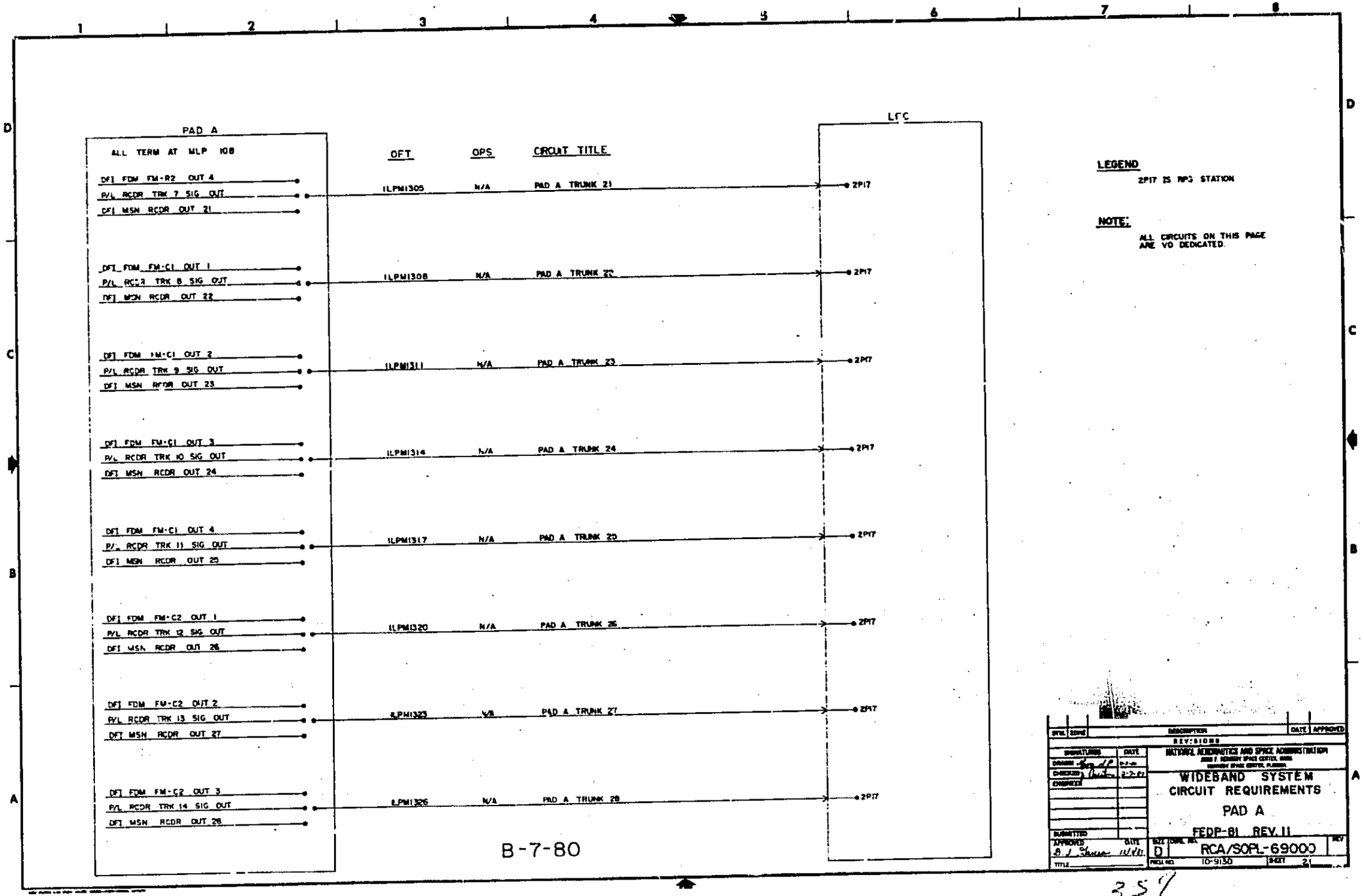
FEOP-81 REV. H
RCA/SOFL-69000
10-9130
SHEET 20
SIZE D


PAD A
ALL TERM AT MLP 108
OFT
OPS
CIRCUIT TITLE
LFC
DFI FDM FM-R2 OUT 4
P/L RCDR TRK 7 SIG OUT
DFI MSN RCDR OUT 21
ILPMI305
N/A
PAD A TRUNK 21
2P17
DFI FDM FM-C1 OUT 1
P/L RCDR TRK 8 SIG OUT
DFI MSN RCDR OUT 22
ILPMI308
N/A
PAD A TRUNK 22
2P17
DFI FDM FM-C1 OUT 2
P/L RCDR TRK 9 SIG OUT
DFI MSN RCDR OUT 23
ILPMI311
N/A
PAD A TRUNK 23
2P17
DFI FDM FM-C1 OUT 3
P/L RCDR TRK 10 SIG OUT
DFI MSN RCDR OUT 24
ILPMI314
N/A
PAD A TRUNK 24
2P17
DFI FDM FM-C1 OUT 4
P/L RCDR TRK 11 SIG OUT
DFI MSN RCDR OUT 25
ILPMI317
N/A
PAD A TRUNK 25
2P17
DFI FDM FM-C2 OUT 1
P/L RCDR TRK 12 SIG OUT
DFI MSN RCDR OUT 26
ILPMI320
N/A
PAD A TRUNK 26
2P17
DFI FDM FM-C2 OUT 2
P/L RCDR TRK 13 SIG OUT
DFI MSN RCDR OUT 27
ILPMI323
N/A
PAD A TRUNK 27
2P17
DFI FDM FM-C2 OUT 3
P/L RCDR TRK 14 SIG OUT
DFI MSN RCDR OUT 28
ILPMI326
N/A
PAD A TRUNK 28
2P17
LEGEND
2P17 IS RPS STATION
NOTE:
ALL CIRCUITS ON THIS PAGE ARE VO DEDICATED.
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CIRCUIT REQUIREMENTS
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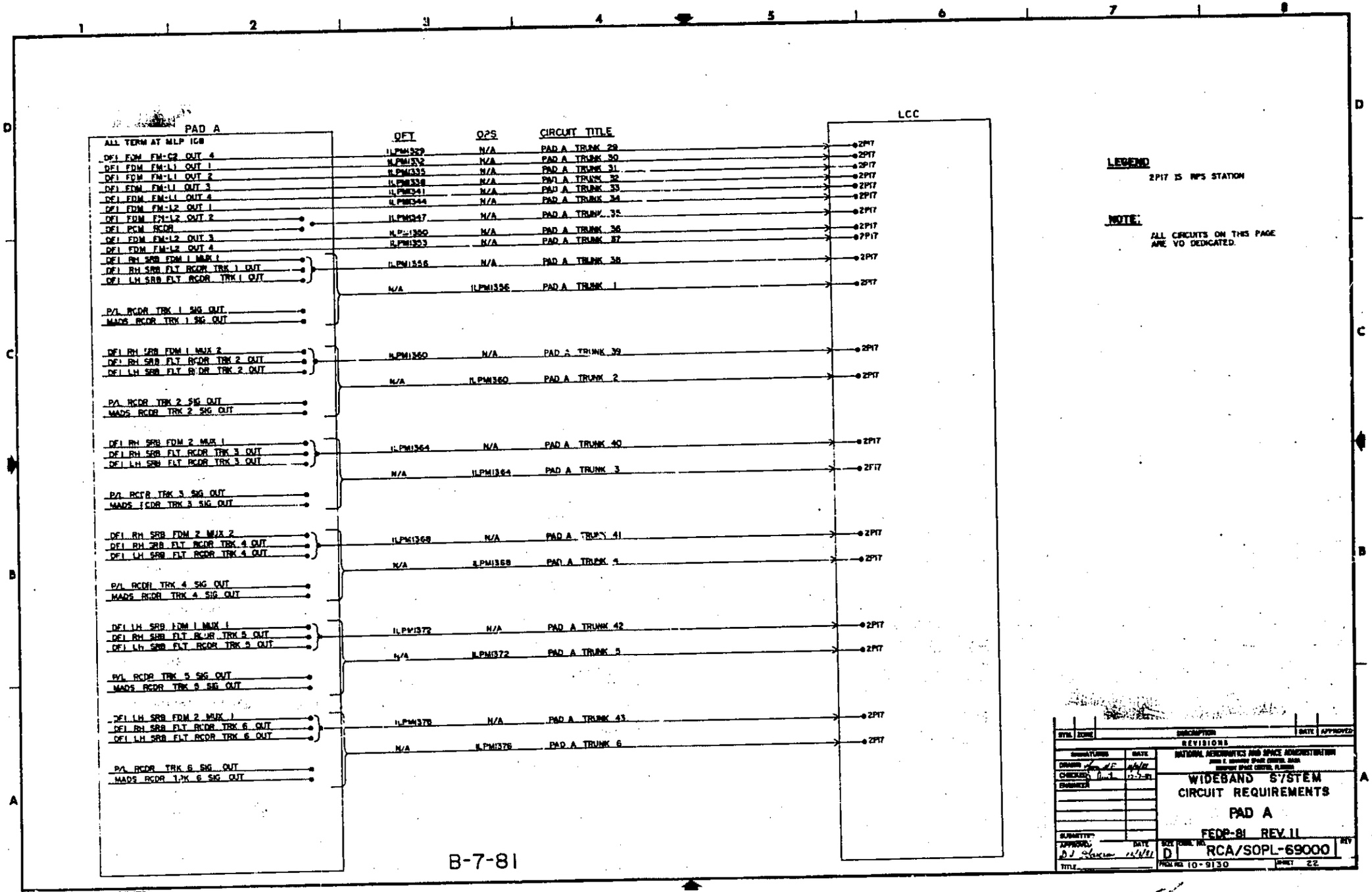
FEDP-81 REV. H
RCA/SOPL-69000
10-9130
B-7-80
359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ALL TERM AT MLP IC8
DFI FDM FM-C2 OUT 4
DFI FDM FM-L1 OUT 1
DFI FDM FM-L1 OUT 2
DFI FDM FM-L1 OUT 3
DFI FDM FM-L1 OUT 4
DFI FDM FM-L2 OUT 1
DFI FDM FM-L2 OUT 2
DFI PCM RCDR
DFI FDM FM-L2 OUT 3
DFI FDM FM-L2 OUT 4
DFI RH SRB FDM 1 MUX 1
DFI RH SRB FLT RCDR TRK 1 OUT
DFI LH SRB FLT RCDR TRK 1 OUT
P/L RCDR TRK 1 SIG OUT
MADS RCDR TRK 1 SIG OUT
DFI RH SRB FDM 1 MUX 2
DFI RH SRB FLT RCDR TRK 2 OUT
DFI LH SRB FLT RCDR TRK 2 OUT
P/L RCDR TRK 2 SIG OUT
MADS RCDR TRK 2 SIG OUT
DFI RH SRB FDM 2 MUX 1
DFI RH SRB FLT RCDR TRK 3 OUT
DFI LH SRB FLT RCDR TRK 3 OUT
P/L RCDR TRK 3 SIG OUT
MADS RCDR TRK 3 SIG OUT
DFI RH SRB FDM 2 MUX 2
DFI RH SRB FLT RCDR TRK 4 OUT
DFI LH SRB FLT RCDR TRK 4 OUT
P/L RCDR TRK 4 SIG OUT
MADS RCDR TRK 4 SIG OUT
DFI LH SRB FDM 1 MUX 1
DFI RH SRB FLT RCDR TRK 5 OUT
DFI LH SRB FLT RCDR TRK 5 OUT
P/L RCDR TRK 5 SIG OUT
MADS RCDR TRK 5 SIG OUT
DFI LH SRB FDM 2 MUX 1
DFI RH SRB FLT RCDR TRK 6 OUT
DFI LH SRB FLT RCDR TRK 6 OUT
P/L RCDR TRK 6 SIG OUT
MADS RCDR TRK 6 SIG OUT
DFT
OPS
CIRCUIT TITLE
ILPMI329
N/A
PAD A TRUNK 29
ILPMI332
N/A
PAD A TRUNK 30
ILPMI335
N/A
PAD A TRUNK 31
ILPMI338
N/A
PAD A TRUNK 32
ILPMI341
N/A
PAD A TRUNK 33
ILPMI344
N/A
PAD A TRUNK 34
ILPMI347
N/A
PAD A TRUNK 35
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ILPMI353
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PAD A TRUNK 37
ILPMI356
N/A
PAD A TRUNK 38
N/A
ILPMI356
PAD A TRUNK 1
ILPMI360
N/A
PAD A TRUNK 39
N/A
ILPMI360
PAD A TRUNK 2
ILPMI364
N/A
PAD A TRUNK 40
N/A
ILPMI364
PAD A TRUNK 3
ILPMI368
N/A
PAD A TRUNK 41
N/A
ILPMI368
PAD A TRUNK 4
ILPMI372
N/A
PAD A TRUNK 42
N/A
ILPMI372
PAD A TRUNK 5
ILPMI376
N/A
PAD A TRUNK 43
N/A
ILPMI376
PAD A TRUNK 6
LCC
2PI7
LEGEND
2PI7 IS RPS STATION
NOTE:
ALL CIRCUITS ON THIS PAGE ARE VO DEDICATED.
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CIRCUIT REQUIREMENTS
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FEDP-81 REV. 11
RCA/SOPL-69000
B-7-81

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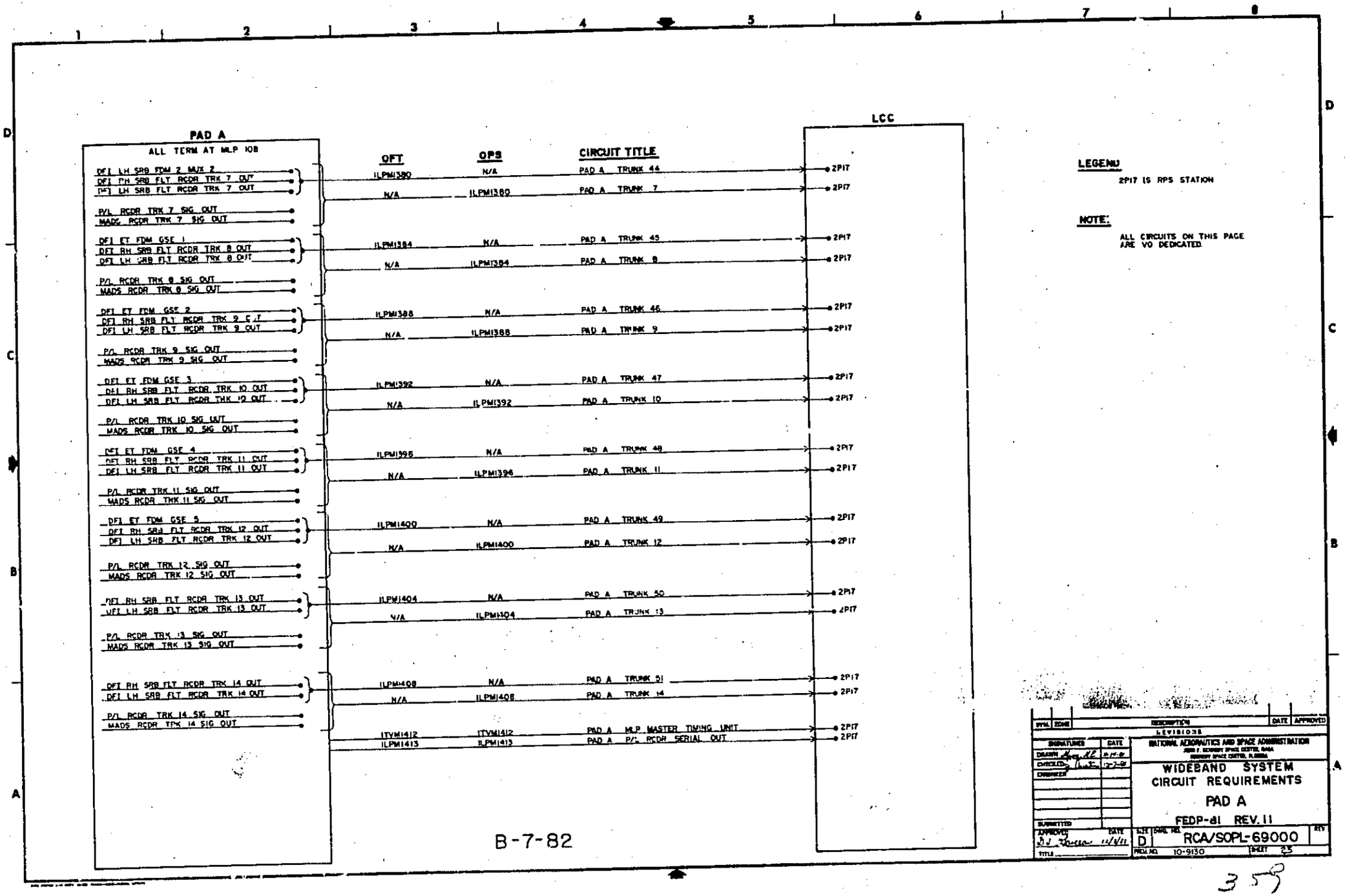
PAD A
ALL TERM AT MLP 108
DFI LH SRB FDM 2 MUX 2
DFI RH SRB FLT RCDR TRK 7 OUT
DFI LH SRB FLT RCDR TRK 7 OUT
P/L RCDR TRK 7 SIG OUT
MADS RCDR TRK 7 SIG OUT
DFI ET FDM GSE 1
DFI RH SRB FLT RCDR TRK 8 OUT
DFI LH SRB FLT RCDR TRK 8 OUT
P/L RCDR TRK 8 SIG OUT
MADS RCDR TRK 8 SIG OUT
DFI ET FDM GSE 2
DFI RH SRB FLT RCDR TRK 9 OUT
DFI LH SRB FLT RCDR TRK 9 OUT
P/L RCDR TRK 9 SIG OUT
MADS RCDR TRK 9 SIG OUT
DFI ET FDM GSE 3
DFI RH SRB FLT RCDR TRK 10 OUT
DFI LH SRB FLT RCDR TRK 10 OUT
P/L RCDR TRK 10 SIG OUT
MADS RCDR TRK 10 SIG OUT
DFI ET FDM GSE 4
DFI RH SRB FLT RCDR TRK 11 OUT
DFI LH SRB FLT RCDR TRK 11 OUT
P/L RCDR TRK 11 SIG OUT
MADS RCDR TRK 11 SIG OUT
DFI ET FDM GSE 5
DFI RH SRB FLT RCDR TRK 12 OUT
DFI LH SRB FLT RCDR TRK 12 OUT
P/L RCDR TRK 12 SIG OUT
MADS RCDR TRK 12 SIG OUT
DFI RH SRB FLT RCDR TRK 13 OUT
DFI LH SRB FLT RCDR TRK 13 OUT
P/L RCDR TRK 13 SIG OUT
MADS RCDR TRK 13 SIG OUT
DFI RH SRB FLT RCDR TRK 14 OUT
DFI LH SRB FLT RCDR TRK 14 OUT
P/L RCDR TRK 14 SIG OUT
MADS RCDR TRK 14 SIG OUT
OFT
OPS
CIRCUIT TITLE
ILPMI380
N/A
PAD A TRUNK 44
N/A
ILPMI380
PAD A TRUNK 7
ILPMI384
N/A
PAD A TRUNK 45
N/A
ILPMI384
PAD A TRUNK 8
ILPMI388
N/A
PAD A TRUNK 46
N/A
ILPMI388
PAD A TRUNK 9
ILPMI392
N/A
PAD A TRUNK 47
N/A
ILPMI392
PAD A TRUNK 10
ILPMI396
N/A
PAD A TRUNK 48
N/A
ILPMI396
PAD A TRUNK 11
ILPMI400
N/A
PAD A TRUNK 49
N/A
ILPMI400
PAD A TRUNK 12
ILPMI404
N/A
PAD A TRUNK 50
N/A
ILPMI404
PAD A TRUNK 13
ILPMI408
N/A
PAD A TRUNK 51
N/A
ILPMI408
PAD A TRUNK 14
ITVMI412
ITVMI412
PAD A MLP MASTER TIMING UNIT
ILPMI413
ILPMI413
PAD A P/L RCDR SERIAL OUT
LCC
2PI7
LEGEND
2PI7 IS RPS STATION
NOTE:
ALL CIRCUITS ON THIS PAGE ARE VO DEDICATED
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
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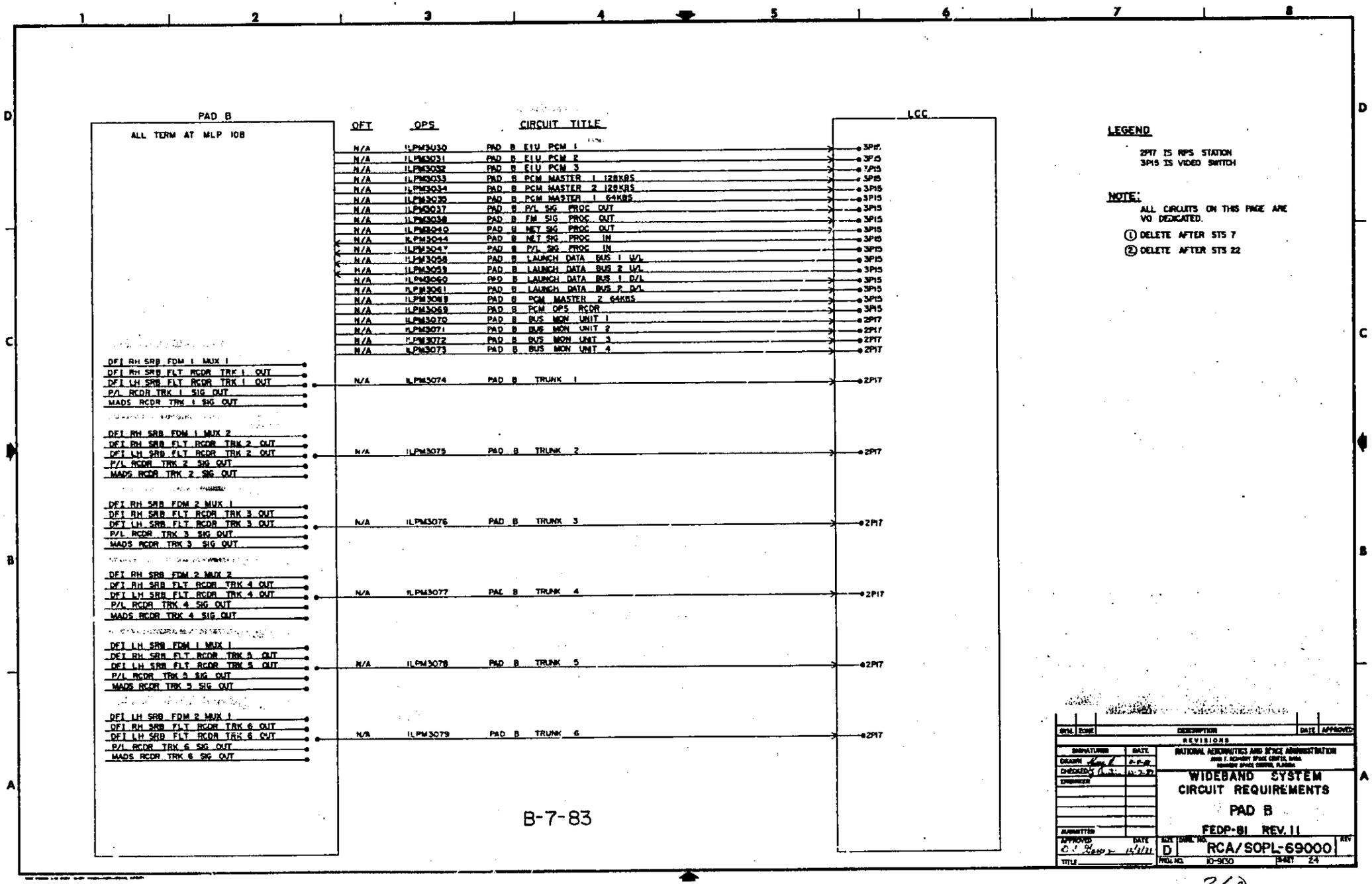
FEDP-81 REV. 11
RCA/SOPL-69000
10-9130
SHEET 25
B-7-82

35


PAD B
ALL TERM AT MLP 108
OFT
OPS
CIRCUIT TITLE
LCC
N/A ILPM3030 PAD B E1V PCM 1 3P15
N/A ILPM3031 PAD B E1V PCM 2 3P15
N/A ILPM3032 PAD B E1V PCM 3 3P15
N/A ILPM3033 PAD B PCM MASTER 1 128KBS 3P15
N/A ILPM3034 PAD B PCM MASTER 2 128KBS 3P15
N/A ILPM3035 PAD B PCM MASTER 1 64KBS 3P15
N/A ILPM3037 PAD B P/L SIG PROC OUT 3P15
N/A ILPM3038 PAD B FM SIG PROC OUT 3P15
N/A ILPM3040 PAD B NET SIG PROC OUT 3P15
N/A ILPM3044 PAD B NET SIG PROC IN 3P15
N/A ILPM3047 PAD B P/L SIG PROC IN 3P15
N/A ILPM3058 PAD B LAUNCH DATA BUS 1 U/L 3P15
N/A ILPM3059 PAD B LAUNCH DATA BUS 2 U/L 3P15
N/A ILPM3060 PAD B LAUNCH DATA BUS 1 D/L 3P15
N/A ILPM3061 PAD B LAUNCH DATA BUS 2 D/L 3P15
N/A ILPM3068 PAD B PCM MASTER 2 64KBS 3P15
N/A ILPM3069 PAD B PCM OPS RCDR 3P15
N/A ILPM3070 PAD B BUS MON UNIT 1 2P17
N/A ILPM3071 PAD B BUS MON UNIT 2 2P17
N/A ILPM3072 PAD B BUS MON UNIT 3 2P17
N/A ILPM3073 PAD B BUS MON UNIT 4 2P17
DFI RH SRB FDM 1 MUX 1
DFI RH SRB FLT RCDR TRK 1 OUT
DFI LH SRB FLT RCDR TRK 1 OUT
P/L RCDR TRK 1 SIG OUT
MADS RCDR TRK 1 SIG OUT
N/A ILPM3074 PAD B TRUNK 1 2P17
DFI RH SRB FDM 1 MUX 2
DFI RH SRB FLT RCDR TRK 2 OUT
DFI LH SRB FLT RCDR TRK 2 OUT
P/L RCDR TRK 2 SIG OUT
MADS RCDR TRK 2 SIG OUT
N/A ILPM3075 PAD B TRUNK 2 2P17
DFI RH SRB FDM 2 MUX 1
DFI RH SRB FLT RCDR TRK 3 OUT
DFI LH SRB FLT RCDR TRK 3 OUT
P/L RCDR TRK 3 SIG OUT
MADS RCDR TRK 3 SIG OUT
N/A ILPM3076 PAD B TRUNK 3 2P17
DFI RH SRB FDM 2 MUX 2
DFI RH SRB FLT RCDR TRK 4 OUT
DFI LH SRB FLT RCDR TRK 4 OUT
P/L RCDR TRK 4 SIG OUT
MADS RCDR TRK 4 SIG OUT
N/A ILPM3077 PAD B TRUNK 4 2P17
DFI LH SRB FDM 1 MUX 1
DFI RH SRB FLT RCDR TRK 5 OUT
DFI LH SRB FLT RCDR TRK 5 OUT
P/L RCDR TRK 5 SIG OUT
MADS RCDR TRK 5 SIG OUT
N/A ILPM3078 PAD B TRUNK 5 2P17
DFI LH SRB FDM 2 MUX 1
DFI RH SRB FLT RCDR TRK 6 OUT
DFI LH SRB FLT RCDR TRK 6 OUT
P/L RCDR TRK 6 SIG OUT
MADS RCDR TRK 6 SIG OUT
N/A ILPM3079 PAD B TRUNK 6 2P17
LEGEND
2P17 IS RPS STATION
3P15 IS VIDEO SWITCH
NOTE:
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SIGNATURES DATE
DRAWN 6-6-80
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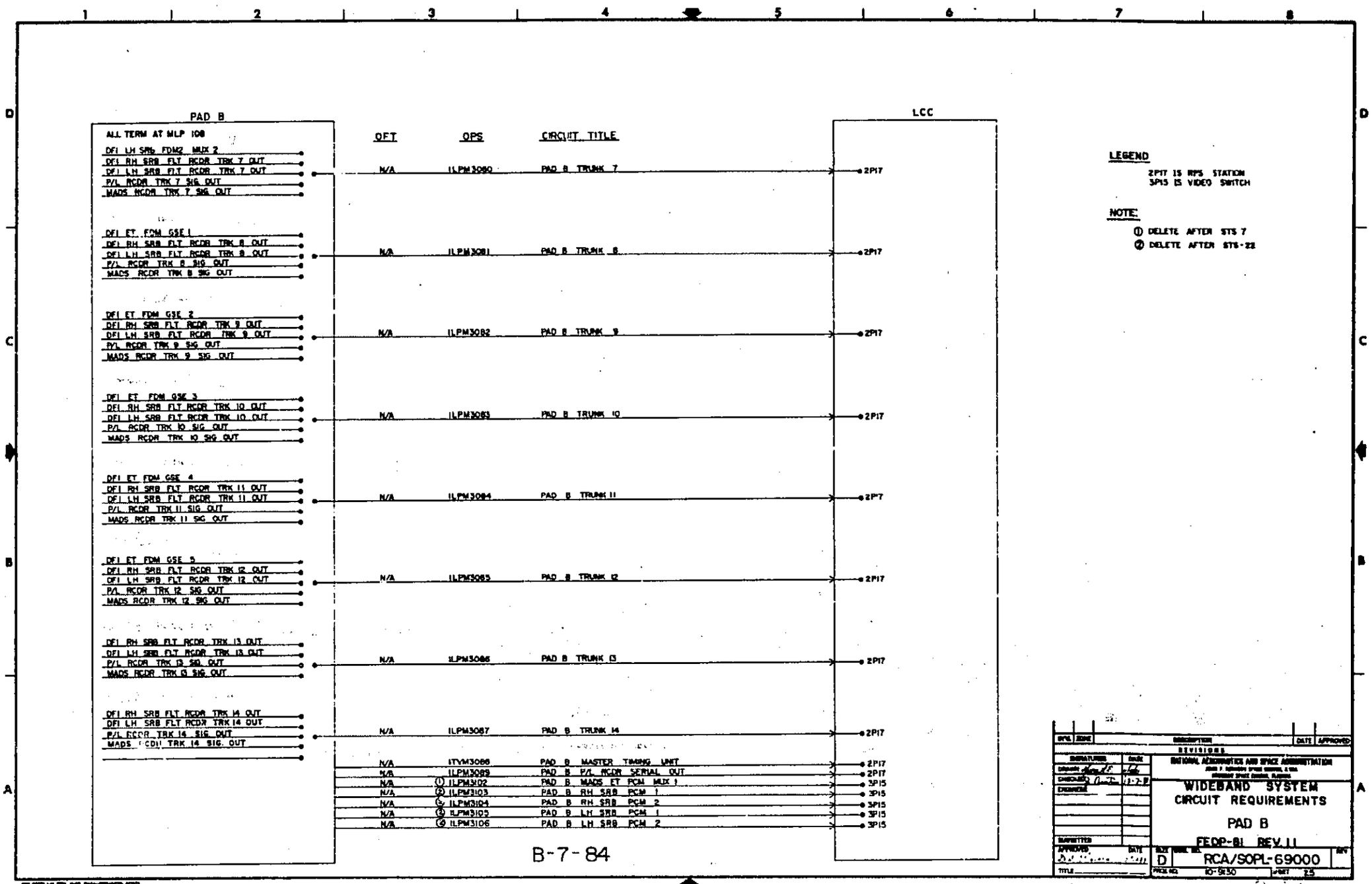
ENGINEER
SUBMITTED
APPROVED DATE
TITLE
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
PAD B
FEDP-81 REV. 11
SIZE D
SHEET NO. RCA/SOPL-69000
REV
PROJ NO. 10-9130
SHEET 24

B-7-83


PAD B
ALL TERM AT MLP 108
DFI LH SRB FDM2 MUX 2
DFI RH SRB FLT RCDR TRK 7 OUT
DFI LH SRB FLT RCDR TRK 7 OUT
P/L RCDR TRK 7 SIG OUT
MADS RCDR TRK 7 SIG OUT
DFI ET FDM GSE 1
DFI RH SRB FLT RCDR TRK 8 OUT
DFI LH SRB FLT RCDR TRK 8 OUT
P/L RCDR TRK 8 SIG OUT
MADS RCDR TRK 8 SIG OUT
DFI ET FDM GSE 2
DFI RH SRB FLT RCDR TRK 9 OUT
DFI LH SRB FLT RCDR TRK 9 OUT
P/L RCDR TRK 9 SIG OUT
MADS RCDR TRK 9 SIG OUT
DFI ET FDM GSE 3
DFI RH SRB FLT RCDR TRK 10 OUT
DFI LH SRB FLT RCDR TRK 10 OUT
P/L RCDR TRK 10 SIG OUT
MADS RCDR TRK 10 SIG OUT
DFI ET FDM GSE 4
DFI RH SRB FLT RCDR TRK 11 OUT
DFI LH SRB FLT RCDR TRK 11 OUT
P/L RCDR TRK 11 SIG OUT
MADS RCDR TRK 11 SIG OUT
DFI ET FDM GSE 5
DFI RH SRB FLT RCDR TRK 12 OUT
DFI LH SRB FLT RCDR TRK 12 OUT
P/L RCDR TRK 12 SIG OUT
MADS RCDR TRK 12 SIG OUT
DFI RH SRB FLT RCDR TRK 13 OUT
DFI LH SRB FLT RCDR TRK 13 OUT
P/L RCDR TRK 13 SIG OUT
MADS RCDR TRK 13 SIG OUT
DFI RH SRB FLT RCDR TRK 14 OUT
DFI LH SRB FLT RCDR TRK 14 OUT
P/L RCDR TRK 14 SIG OUT
MADS RCDR TRK 14 SIG OUT
OFT
OPS
CIRCUIT TITLE
N/A ILPM3080 PAD B TRUNK 7
N/A ILPM3081 PAD B TRUNK 8
N/A ILPM3082 PAD B TRUNK 9
N/A ILPM3083 PAD B TRUNK 10
N/A ILPM3084 PAD B TRUNK 11
N/A ILPM3085 PAD B TRUNK 12
N/A ILPM3086 PAD B TRUNK 13
N/A ILPM3087 PAD B TRUNK 14
N/A ITVM3088 PAD B MASTER TIMING UNIT
N/A ILPM3089 PAD B P/L RCDR SERIAL OUT
N/A ① ILPM3102 PAD B MADS ET PCM MUX 1
N/A ② ILPM3103 PAD B RH SRB PCM 1
N/A ③ ILPM3104 PAD B RH SRB PCM 2
N/A ④ ILPM3105 PAD B LH SRB PCM 1
N/A ⑤ ILPM3106 PAD B LH SRB PCM 2
LCC
2P17
3P15
LEGEND
2P17 IS RPS STATION
3P15 IS VIDEO SWITCH
NOTE:
① DELETE AFTER STS 7
② DELETE AFTER STS-22
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
PAD B
FEDP-81 REV 11
D
RCA/SOPL-69000
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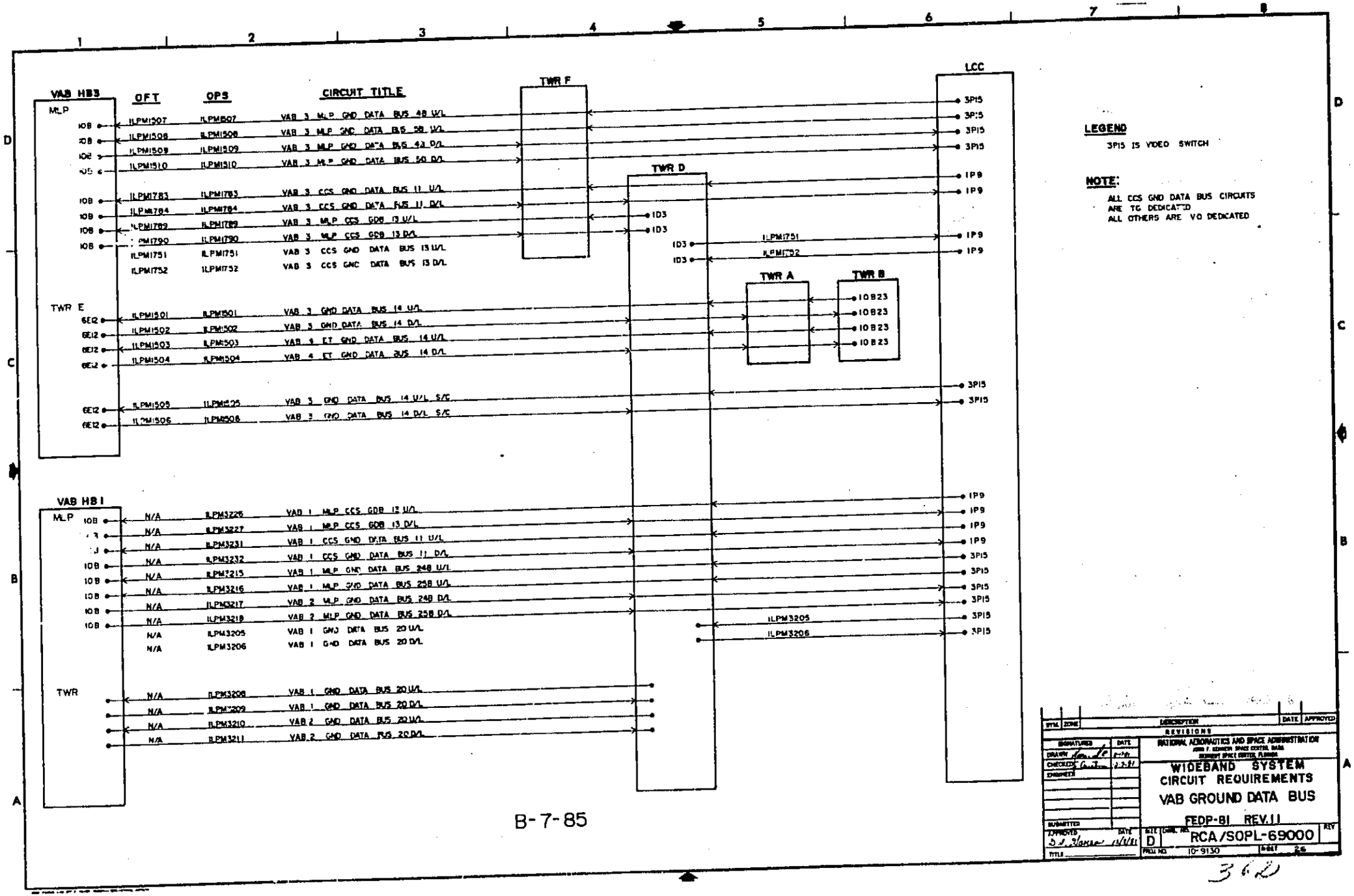
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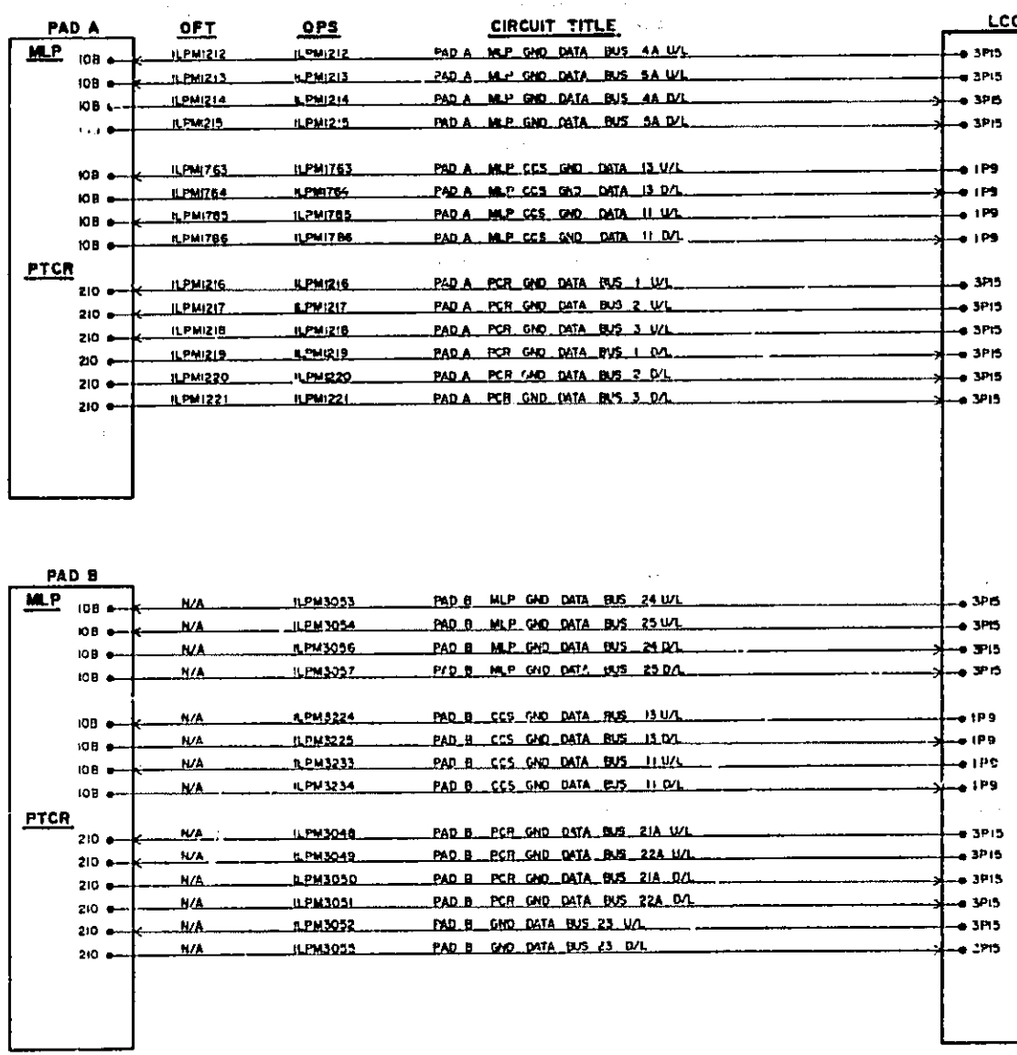
MLP
OFT
OPS
CIRCUIT TITLE
TWR F
LCC
TWR D
TWR E
TWR A
TWR B
VAB HB1
TWR
ILPM1507 ILPM1507 VAB 3 MLP GND DATA BUS 48 U/L
ILPM1508 ILPM1508 VAB 3 MLP GND DATA BUS 48 D/L
ILPM1509 ILPM1509 VAB 3 MLP GND DATA BUS 49 D/L
ILPM1510 ILPM1510 VAB 3 MLP GND DATA BUS 50 D/L
ILPM1783 ILPM1783 VAB 3 CCS GND DATA BUS 11 U/L
ILPM1784 ILPM1784 VAB 3 CCS GND DATA BUS 11 D/L
ILPM1789 ILPM1789 VAB 3 MLP CCS GDB 13 U/L
ILPM1790 ILPM1790 VAB 3 MLP CCS GDB 13 D/L
ILPM1751 ILPM1751 VAB 3 CCS GND DATA BUS 13 U/L
ILPM1752 ILPM1752 VAB 3 CCS GND DATA BUS 13 D/L
ILPM1501 ILPM1501 VAB 3 GND DATA BUS 14 U/L
ILPM1502 ILPM1502 VAB 3 GND DATA BUS 14 D/L
ILPM1503 ILPM1503 VAB 4 ET GND DATA BUS 14 U/L
ILPM1504 ILPM1504 VAB 4 ET GND DATA BUS 14 D/L
ILPM1505 ILPM1505 VAB 3 GND DATA BUS 14 U/L S/C
ILPM1506 ILPM1506 VAB 3 GND DATA BUS 14 D/L S/C
N/A ILPM3226 VAB 1 MLP CCS GDB 12 U/L
N/A ILPM3227 VAB 1 MLP CCS GDB 13 D/L
N/A ILPM3231 VAB 1 CCS GND DATA BUS 11 U/L
N/A ILPM3232 VAB 1 CCS GND DATA BUS 11 D/L
N/A ILPM3215 VAB 1 MLP GND DATA BUS 248 U/L
N/A ILPM3216 VAB 1 MLP GND DATA BUS 258 U/L
N/A ILPM3217 VAB 2 MLP GND DATA BUS 248 D/L
N/A ILPM3218 VAB 2 MLP GND DATA BUS 258 D/L
N/A ILPM3205 VAB 1 GND DATA BUS 20 U/L
N/A ILPM3206 VAB 1 GND DATA BUS 20 D/L
N/A ILPM3209 VAB 1 GND DATA BUS 20 U/L
N/A ILPM3210 VAB 1 GND DATA BUS 20 D/L
N/A ILPM3211 VAB 2 GND DATA BUS 20 D/L
ILPM3205
ILPM3206
LEGEND
3P15 IS VIDEO SWITCH
NOTE:
ALL CCS GND DATA BUS CIRCUITS ARE TO DEDICATED
ALL OTHERS ARE VO DEDICATED
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
VAB GROUND DATA BUS
FEDP-81 REV.J
RCA/SOPL-69000
10-9130

B-7-85

362



LEGEND

3P15 IS VIDEO SWITCH

NOTE:

1 ALL CCS GND DATA BUS CIRCUITS ARE TG DEDICATED

2 ALL OTHERS ARE VO DEDICATED

B-7-65

REVISIONS			
SYM	ZONE	DESCRIPTION	DATE	APPROVED

SIGNATURES	DATE
DRAWN	
CHECKED	
ENGINEER	
SUBMITTED	
APPROVED	DATE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
MANNED SPACE CENTER, FLORIDA

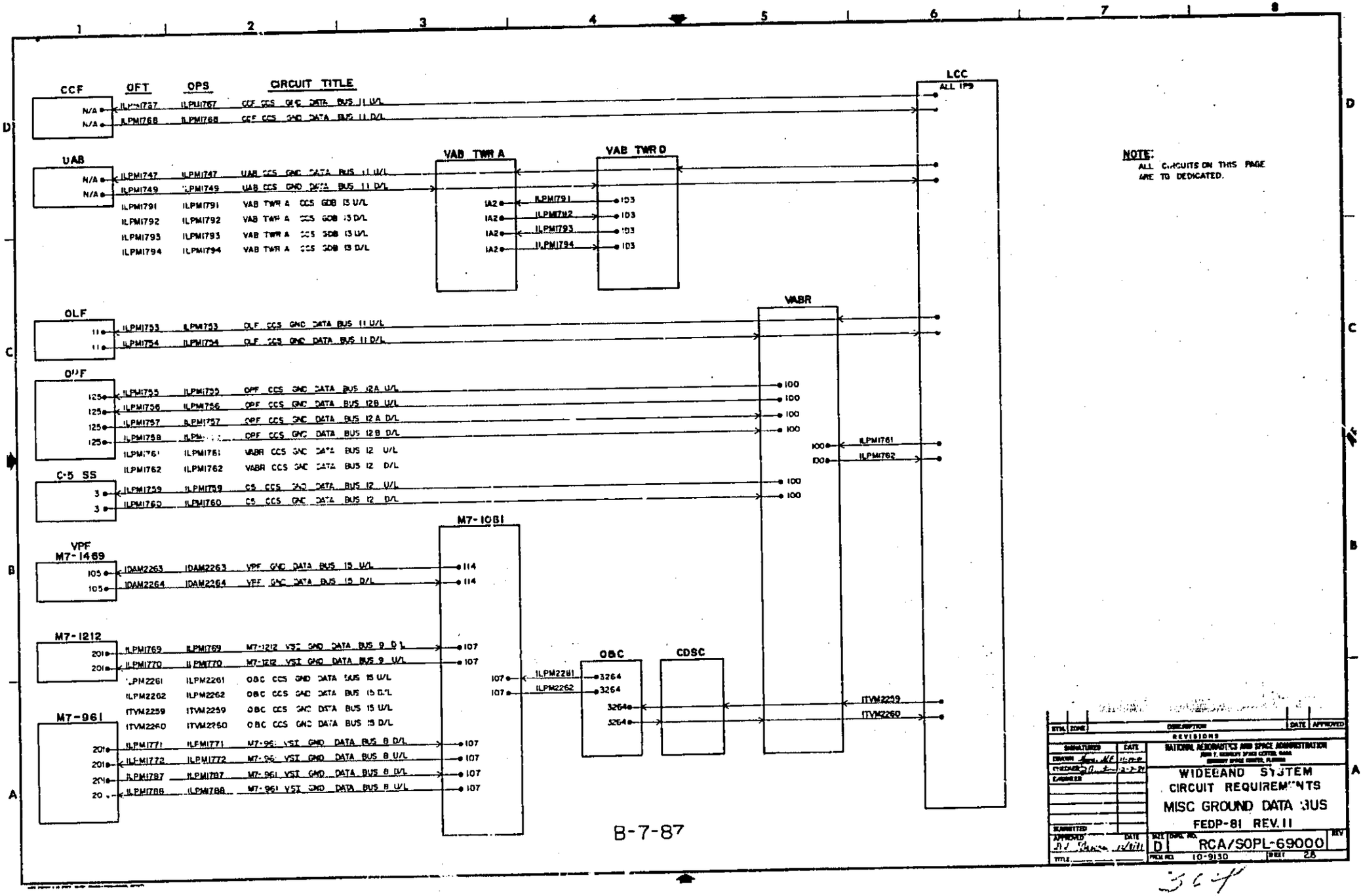
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
PAD GROUND DATA BUS
FEDP-BI REV. 11

SIZE	CODE NO.	REV
D	RCA/SOPL-69000	

PROJ NO. 10-9130 SHEET 27

TITLE

363



NOTE:
ALL CIRCUITS ON THIS PAGE ARE TO DEDICATED.

REVISIONS			
SYM	ZONE	DESCRIPTION	DATE APPROVED

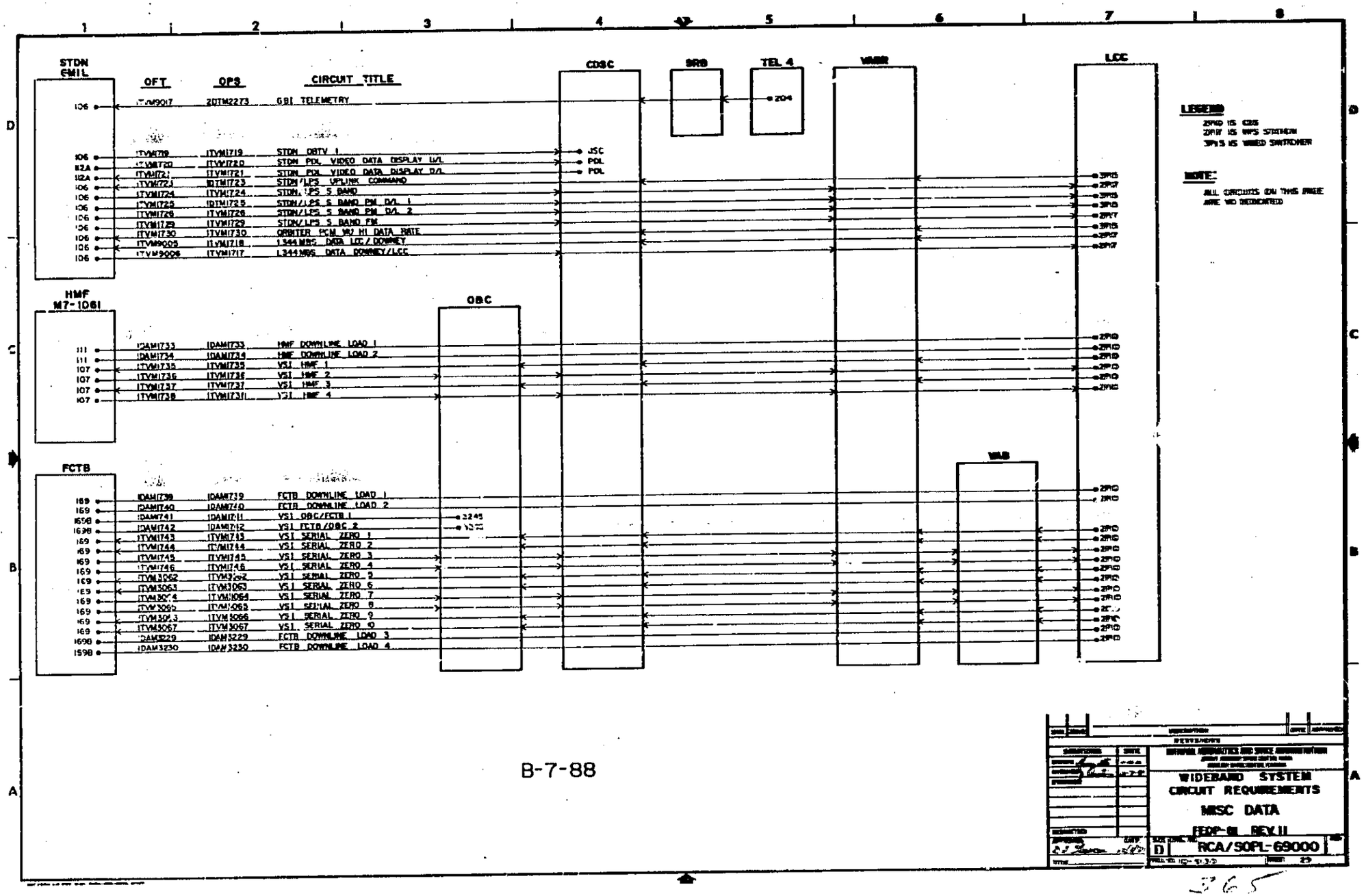
SIGNATURES	DATE
DRAWN	11-20-87
CHECKED	12-2-87
ENGINEER	
SUBMITTED	
APPROVED	DATE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

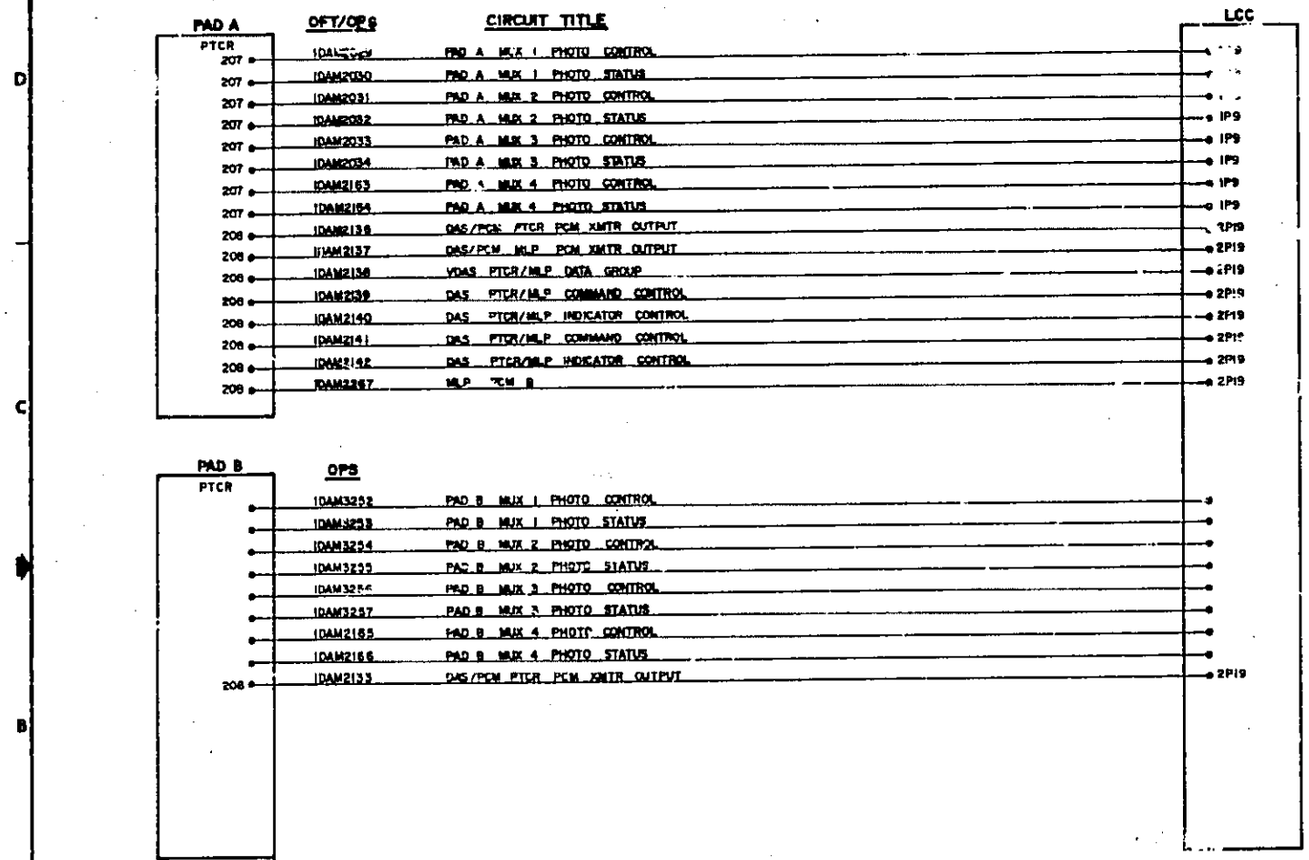
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
MISC GROUND DATA BUS
FEDP-81 REV. II

SIZE D | DWG. NO. RCA/SOPL-69000 | REV
PROJ. NO. 10-9130 | SHEET 28

3 of


STDN 6MIL
HMF M7-1061
FCTB
CDSC
SRB
TEL 4
VMBR
LCC
OBC
WAB
OFT
OPS
CIRCUIT TITLE
LEGEND
NOTE:
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
MISC DATA
FEDP-01 REV.H
RCA/SOPL-69000

365


PAD A
PTCR
OFT/OPS
CIRCUIT TITLE
LCC
207 1DAM2030 PAD A MUX 1 PHOTO CONTROL
207 1DAM2030 PAD A MUX 1 PHOTO STATUS
207 1DAM2031 PAD A MUX 2 PHOTO CONTROL
207 1DAM2032 PAD A MUX 2 PHOTO STATUS
207 1DAM2033 PAD A MUX 3 PHOTO CONTROL
207 1DAM2034 PAD A MUX 3 PHOTO STATUS
207 1DAM2163 PAD A MUX 4 PHOTO CONTROL
207 1DAM2164 PAD A MUX 4 PHOTO STATUS
208 1DAM2138 DAS/PCM PTCR PCM XMTR OUTPUT
208 1DAM2137 DAS/PCM MLP PCM XMTR OUTPUT
208 1DAM2136 VDAS PTCR/MLP DATA GROUP
208 1DAM2139 DAS PTCR/MLP COMMAND CONTROL
208 1DAM2140 DAS PTCR/MLP INDICATOR CONTROL
208 1DAM2141 DAS PTCR/MLP COMMAND CONTROL
208 1DAM2142 DAS PTCR/MLP INDICATOR CONTROL
208 1DAM2267 MLP PCM B
2P19
PAD B
PTCR
OPS
1DAM3252 PAD B MUX 1 PHOTO CONTROL
1DAM3253 PAD B MUX 1 PHOTO STATUS
1DAM3254 PAD B MUX 2 PHOTO CONTROL
1DAM3255 PAD B MUX 2 PHOTO STATUS
1DAM3256 PAD B MUX 3 PHOTO CONTROL
1DAM3257 PAD B MUX 3 PHOTO STATUS
1DAM2165 PAD B MUX 4 PHOTO CONTROL
1DAM2166 PAD B MUX 4 PHOTO STATUS
208 1DAM2133 DAS/PCM PTCR PCM XMTR OUTPUT
2P19
LACB
OFT/OPS
VABR
WX STA B
13 1DAM2134 CLOUD HEIGHT DETECTOR MS 1
13 1DAM2135 CLOUD HEIGHT PROJECTOR MS 2
2ND FL.
2ND FL.

NOTE:
ALL CIRCUITS ON THIS PAGE ARE TI DEDICATED.

B-7-89

SYM	ZONE	DESCRIPTION	DATE	APPROVED
		REVISIONS		

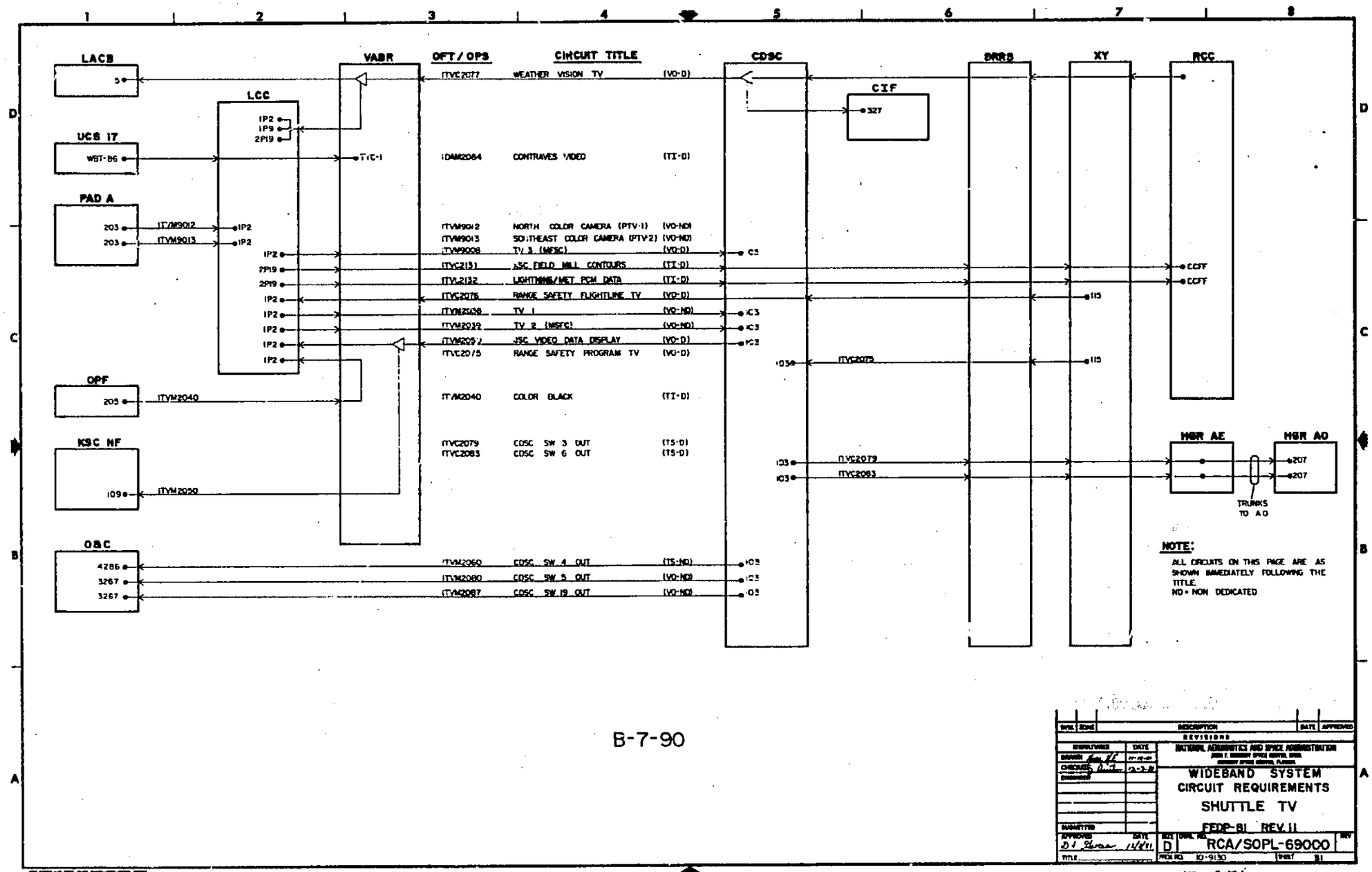
SIGNATURES	DATE
DRAWN	11-4-81
CHECKED	11-5-81
ENGINEER	
SUBMITTED	
APPROVED	DATE 11/11/81

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
PHOTO OPTICS
& MEASUREMENTS
FEDP-81 REV. II

SIZE D | CAGE NO. | DWG. NO. RCA/SOPL-69000 | REV
MOD NO. 10-9130 | SHEET 30

360

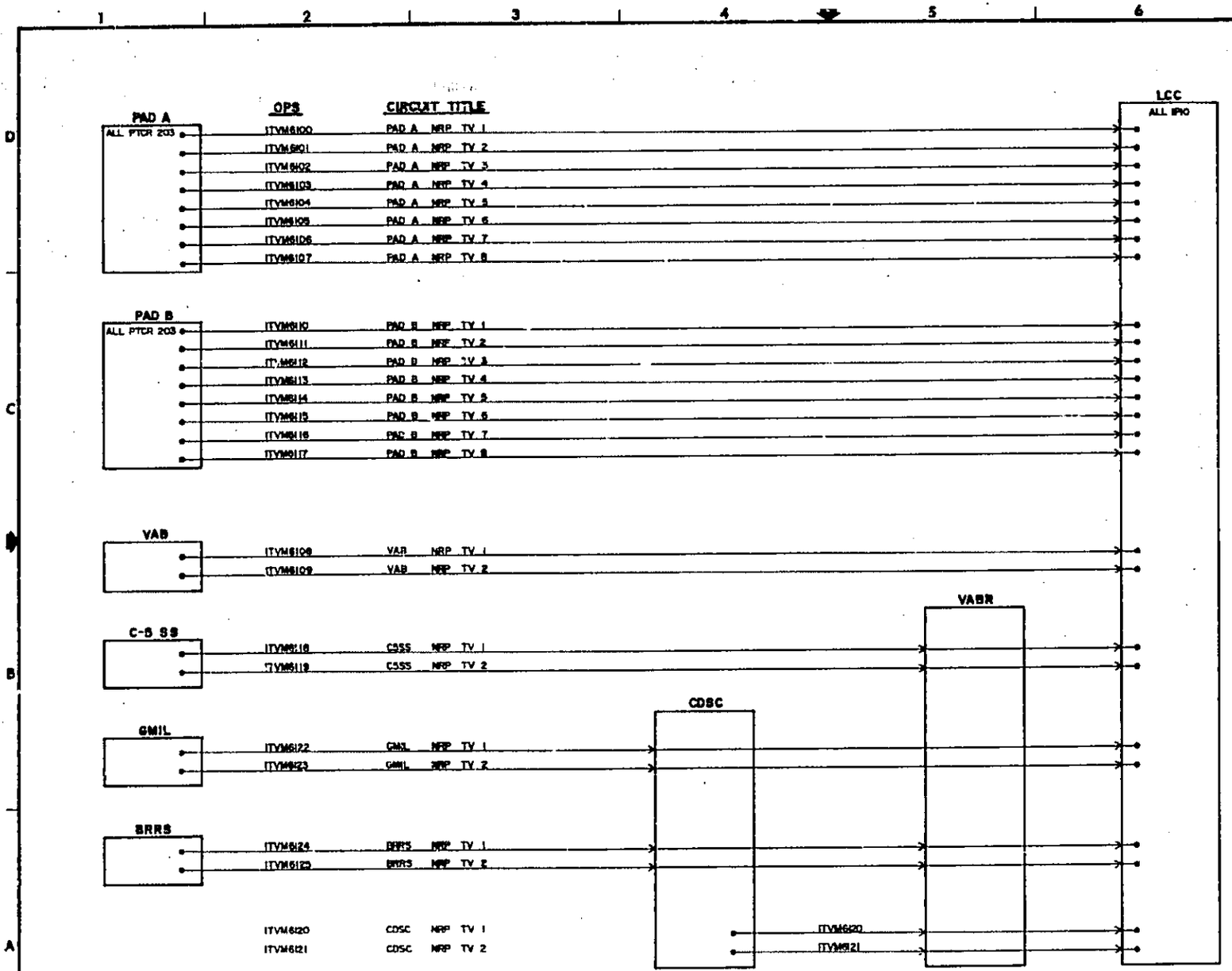


B-7-90

WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
SHUTTLE TV
FEDP-81 REV. H

RCA/SOPL-69000

307


PAD A
ALL PTCR 203
OPS
CIRCUIT TITLE
ITVM6100 PAD A NRP TV 1
ITVM6101 PAD A NRP TV 2
ITVM6102 PAD A NRP TV 3
ITVM6103 PAD A NRP TV 4
ITVM6104 PAD A NRP TV 5
ITVM6105 PAD A NRP TV 6
ITVM6106 PAD A NRP TV 7
ITVM6107 PAD A NRP TV 8
PAD B
ALL PTCR 203
ITVM6110 PAD B NRP TV 1
ITVM6111 PAD B NRP TV 2
ITVM6112 PAD B NRP TV 3
ITVM6113 PAD B NRP TV 4
ITVM6114 PAD B NRP TV 5
ITVM6115 PAD B NRP TV 6
ITVM6116 PAD B NRP TV 7
ITVM6117 PAD B NRP TV 8
VAB
ITVM6108 VAB NRP TV 1
ITVM6109 VAB NRP TV 2
C-5 SS
ITVM6118 C5SS NRP TV 1
ITVM6119 C5SS NRP TV 2
GMIL
ITVM6122 GMIL NRP TV 1
ITVM6123 GMIL NRP TV 2
SRRS
ITVM6124 SRRS NRP TV 1
ITVM6125 SRRS NRP TV 2
ITVM6120 CDSC NRP TV 1
ITVM6121 CDSC NRP TV 2
CDSC
ITVM6120
ITVM6121
VABR
LCC
ALL IPIO

NOTE:

1. NRP IS UNAPPROVED. THIS DRAWING IS INCLUDED FOR PLANNING PURPOSES ONLY.
2. ALL CIRCUITS ON THIS PAGE WILL BE SF DEDICATED.

REVISIONS			
SYM	ZONE	DESCRIPTION	DATE	APPROVED

SIGNATURES	DATE
DRAWN	
CHECKED	
ENGINEER	
SUBMITTED	
APPROVED	DATE

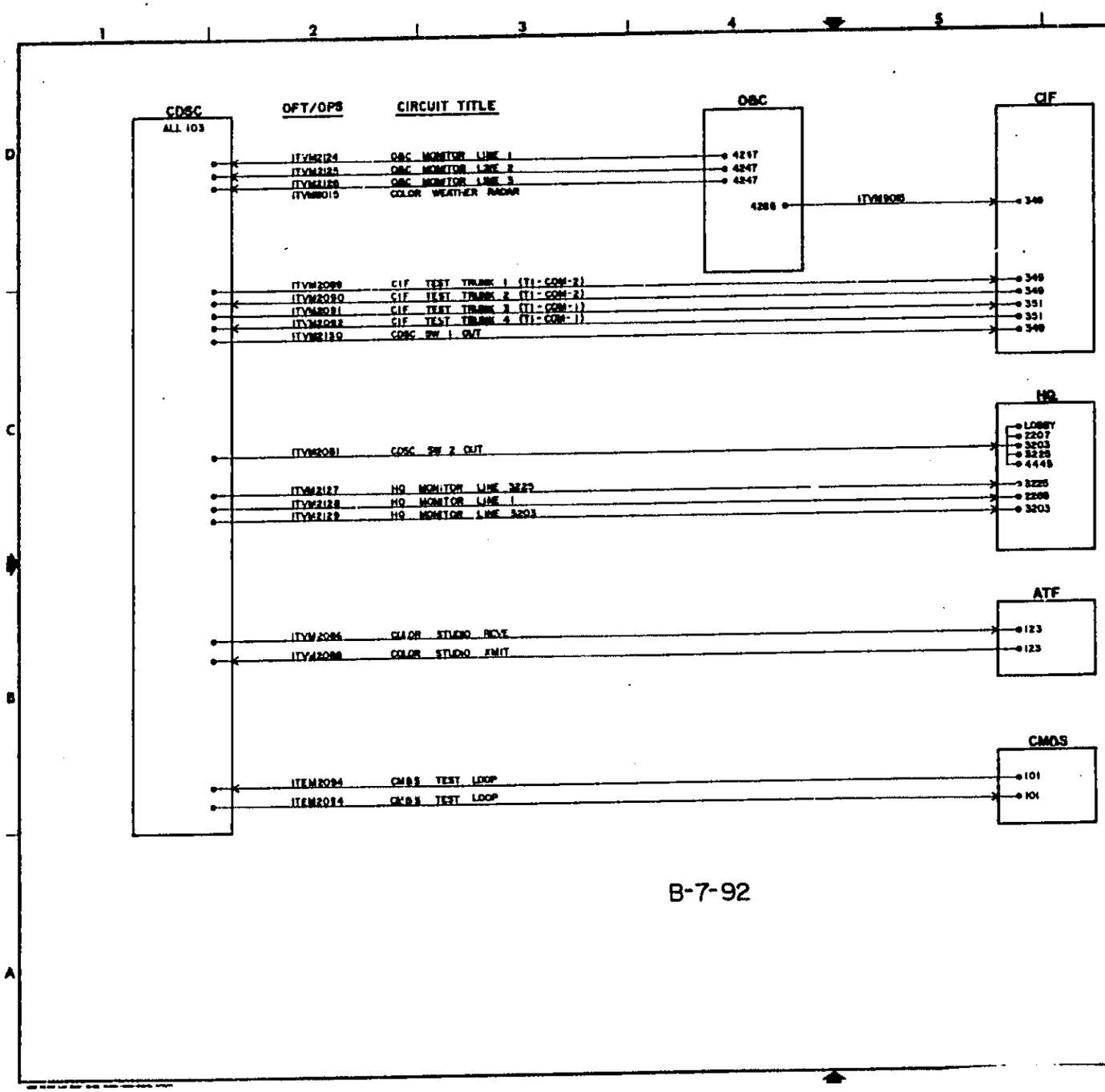
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
NRP TV
FEDP-81 REV. II

SIZE	CAGE NO.	DRAWING NO.	REV
D		RCA/SOPL-69000	

PROJ NO. 13-9130 SHEET 32

B-7-91



B-7-92

NOTE:

THIS DRAWING IS NOT UNDER PROGRAM MANAGEMENT CONTROL

REVISIONS			
SYM	ZONE	DESCRIPTION	DATE / APPROVED

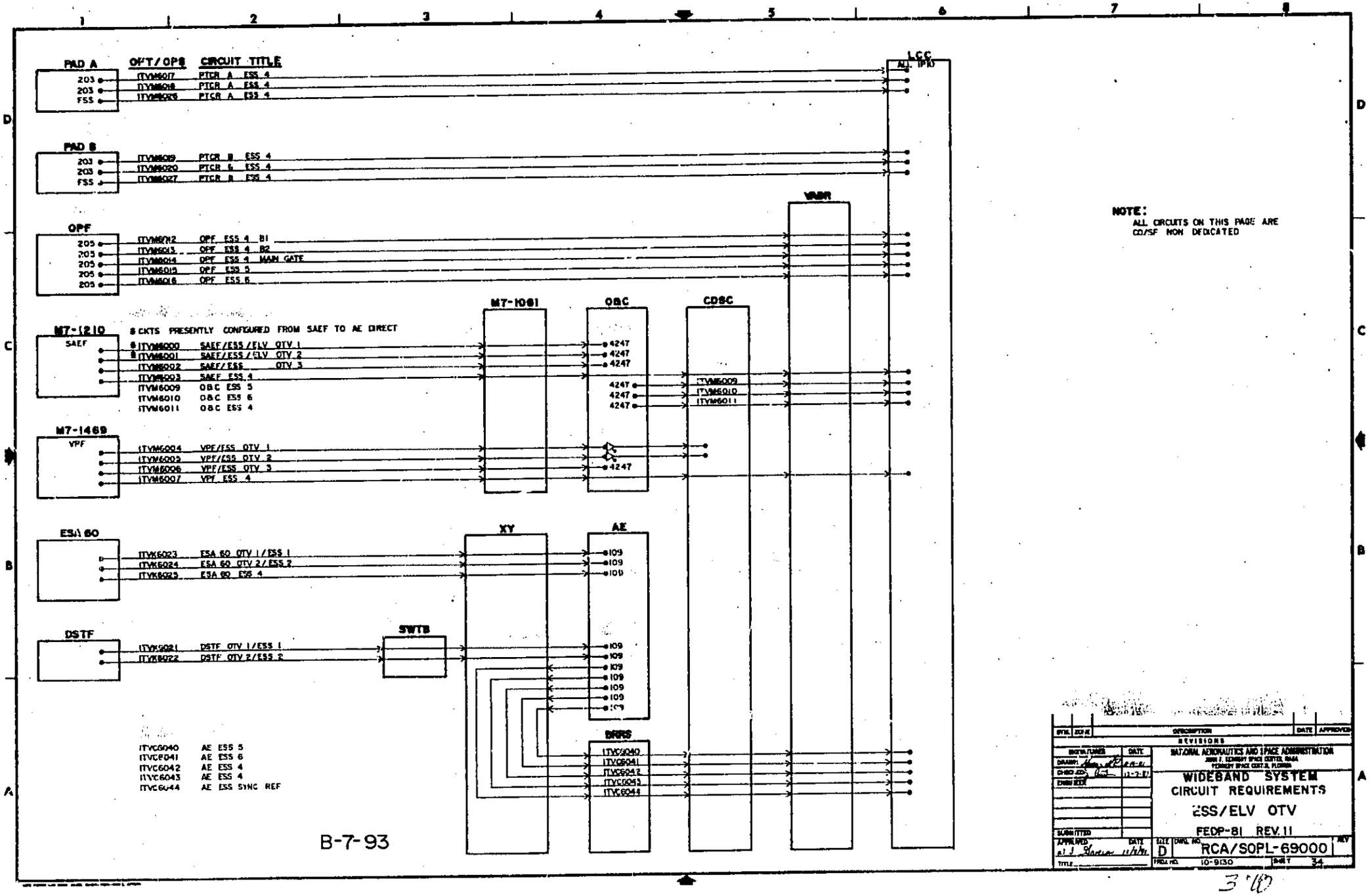
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
INSTITUTIONAL TV
FEDP-81 REV. II

SIZE D | DWG. NO. RCA/SOPL-69000 | REV

PROJ NO. 10-9150 | SHEET 52

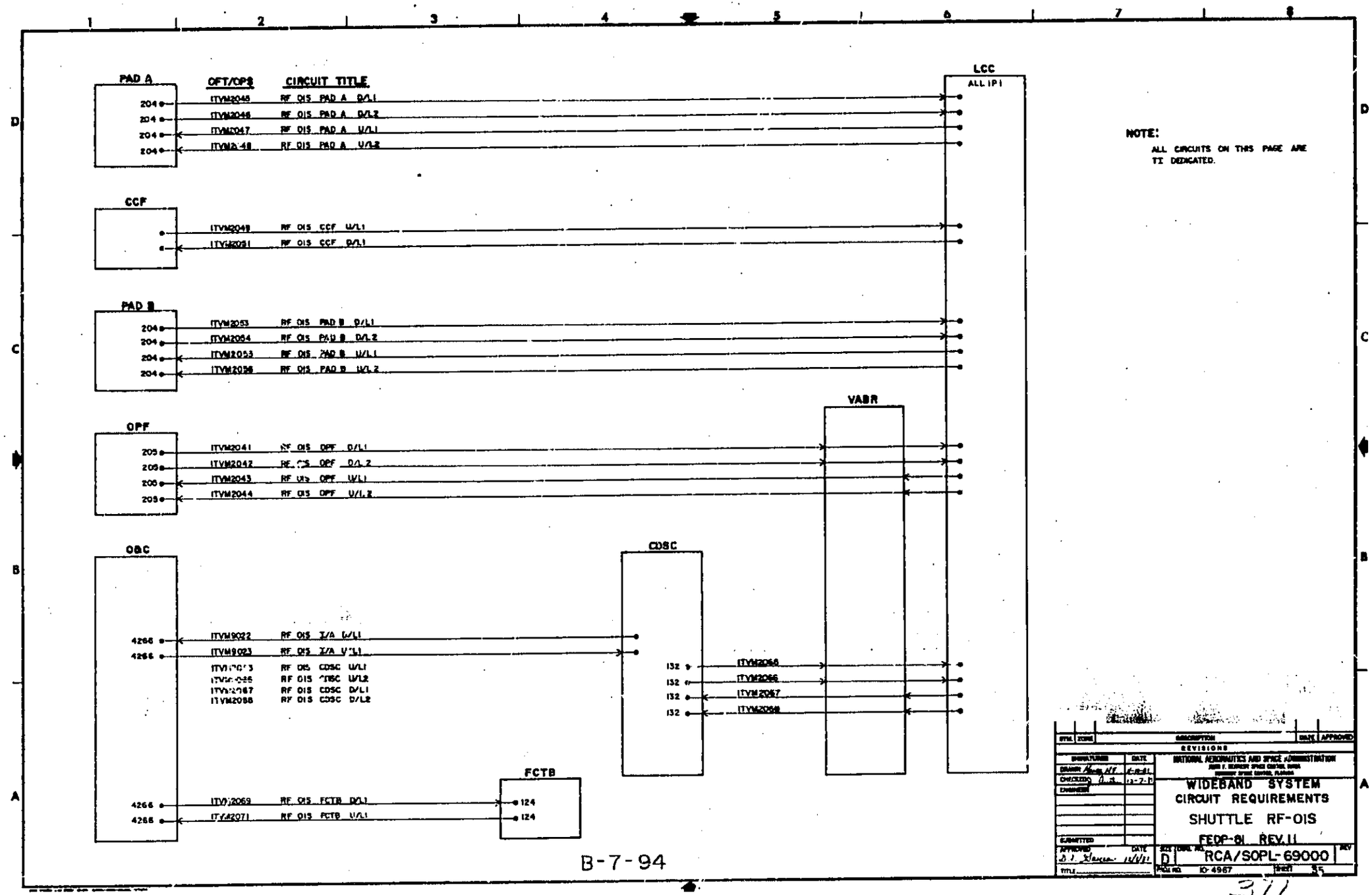
541



NOTE:
ALL CIRCUITS ON THIS PAGE ARE CO/SF NON DEDICATED

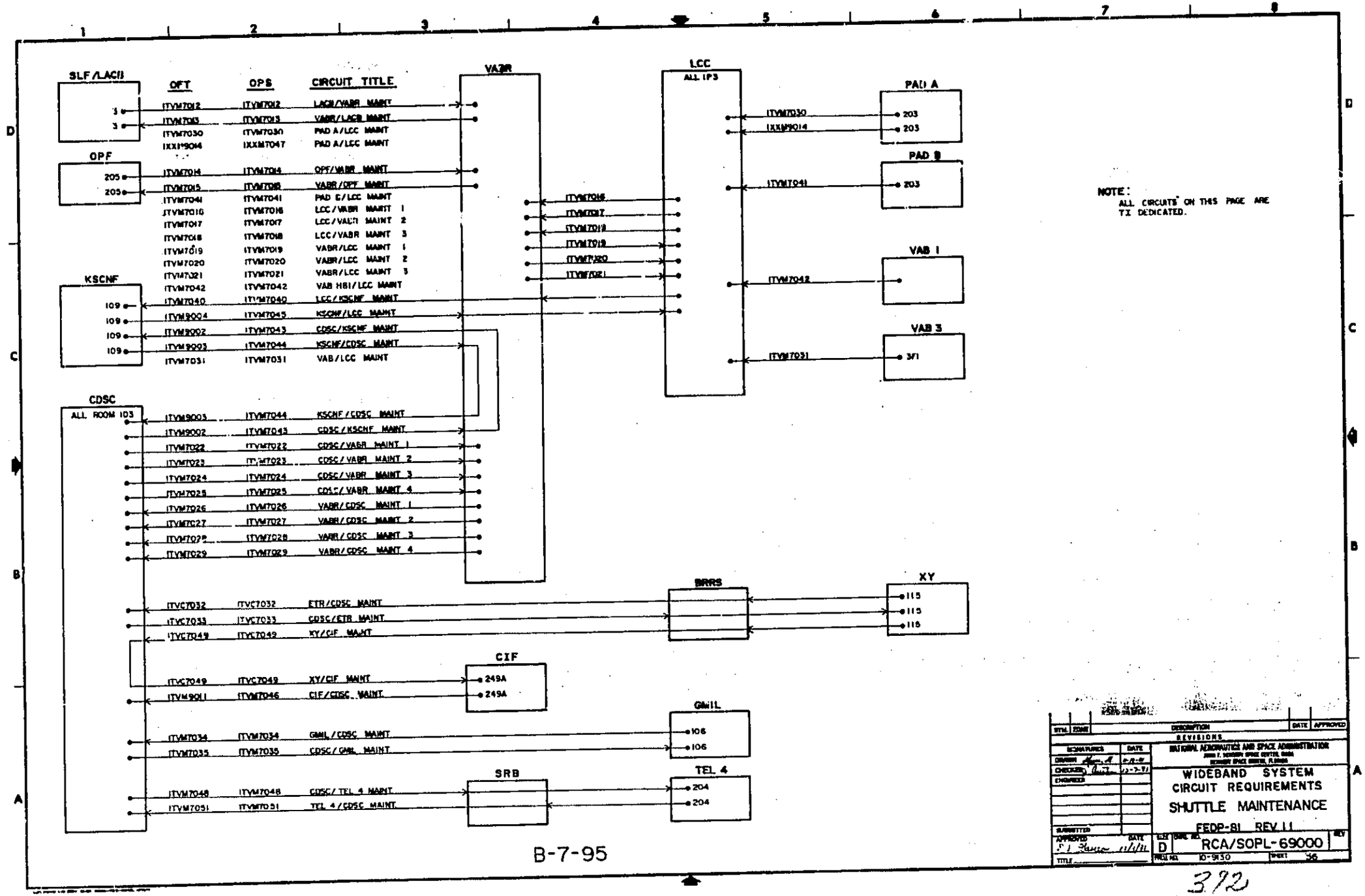
REVISIONS			
SYM	ZONE	DESCRIPTION	DATE / APPROVED
ENGINEER	DATE	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	
DRAWN	11-2-87	JOHN F. KENNEDY SPACE CENTER, NASA	
CHECKED	11-2-87		
ENGR REP		WIDEBAND SYSTEM	
		CIRCUIT REQUIREMENTS	
		ESS/ELV OTV	
SUBMITTED		FEDP-81 REV. 11	
APPROVED	DATE	SIZE D DWG. NO. RCA/SOPL-69000 REV	
TITLE		PROJ NO. 10-9130 SHEET 34	

3'87

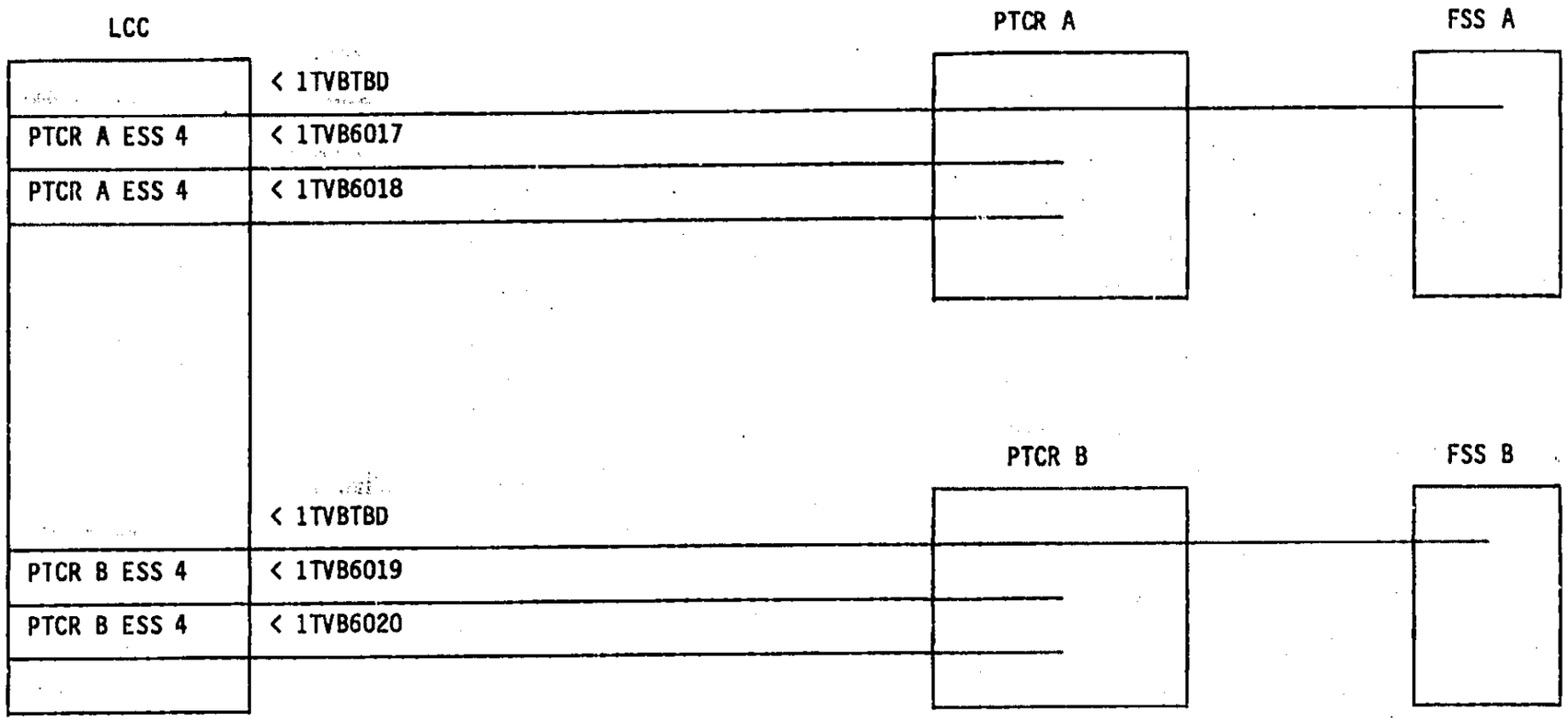

PAD A
OFT/OPS
CIRCUIT TITLE
204
ITVM2045 RF OIS PAD A D/L1
ITVM2046 RF OIS PAD A D/L2
ITVM2047 RF OIS PAD A U/L1
ITVM2048 RF OIS PAD A U/L2
LCC
ALL IP1
CCF
ITVM2049 RF OIS CCF U/L1
ITVM2050 RF OIS CCF D/L1
PAD B
204
ITVM2053 RF OIS PAD B D/L1
ITVM2054 RF OIS PAD B D/L2
ITVM2055 RF OIS PAD B U/L1
ITVM2056 RF OIS PAD B U/L2
VABR
OPF
205
ITVM2041 RF OIS OPF D/L1
ITVM2042 RF OIS OPF D/L2
ITVM2043 RF OIS OPF U/L1
ITVM2044 RF OIS OPF U/L2
OBC
CDSC
4266
ITVM9022 RF OIS T/A U/L1
ITVM9023 RF OIS T/A U/L1
RF OIS CDSC U/L1
RF OIS CDSC U/L2
RF OIS CDSC D/L1
RF OIS CDSC D/L2
132
ITVM2065
ITVM2066
ITVM2067
ITVM2068
FCTB
ITVM2069 RF OIS FCTB D/L1
ITV42071 RF OIS FCTB U/L1
124
NOTE:
ALL CIRCUITS ON THIS PAGE ARE TI DEDICATED.
REVISIONS
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
SHUTTLE RF-OIS
FEDP-81 REV.11
RCA/SOPL-69000
D
10-4967

B-7-94

311


SLF/LACII
OFT
OPS
CIRCUIT TITLE
ITVM7012 ITVM7012 LACII/VABR MAINT
ITVM7013 ITVM7013 VABR/LACII MAINT
ITVM7030 ITVM7030 PAD A/LCC MAINT
IXXM9014 IXXM7047 PAD A/LCC MAINT
OPF
205
205
ITVM7014 ITVM7014 OPF/VABR MAINT
ITVM7015 ITVM7015 VABR/OPF MAINT
ITVM7041 ITVM7041 PAD B/LCC MAINT
ITVM7016 ITVM7016 LCC/VABR MAINT 1
ITVM7017 ITVM7017 LCC/VABR MAINT 2
ITVM7018 ITVM7018 LCC/VABR MAINT 3
ITVM7019 ITVM7019 VABR/LCC MAINT 1
ITVM7020 ITVM7020 VABR/LCC MAINT 2
ITVM7021 ITVM7021 VABR/LCC MAINT 3
ITVM7042 ITVM7042 VAB HBI/LCC MAINT
KSCNF
109
109
109
109
ITVM7040 ITVM7040 LCC/KSCNF MAINT
ITVM9004 ITVM7045 KSCNF/LCC MAINT
ITVM9002 ITVM7043 CDSC/KSCNF MAINT
ITVM9003 ITVM7044 KSCNF/CDSC MAINT
ITVM7031 ITVM7031 VAB/LCC MAINT
CDSC
ALL ROOM 103
ITVM9003 ITVM7044 KSCNF/CDSC MAINT
ITVM9002 ITVM7043 CDSC/KSCNF MAINT
ITVM7022 ITVM7022 CDSC/VABR MAINT 1
ITVM7023 ITVM7023 CDSC/VABR MAINT 2
ITVM7024 ITVM7024 CDSC/VABR MAINT 3
ITVM7025 ITVM7025 CDSC/VABR MAINT 4
ITVM7026 ITVM7026 VABR/CDSC MAINT 1
ITVM7027 ITVM7027 VABR/CDSC MAINT 2
ITVM7028 ITVM7028 VABR/CDSC MAINT 3
ITVM7029 ITVM7029 VABR/CDSC MAINT 4
VA3R
LCC
ALL IP3
ITVM7016
ITVM7017
ITVM7018
ITVM7019
ITVM7020
ITVM7021
ITVM7030
IXXM9014
ITVM7041
ITVM7042
ITVM7031
PAD A
203
203
PAD B
203
VAB 1
VAB 3
371
BRRS
ITVC7032 ITVC7032 ETR/CDSC MAINT
ITVC7033 ITVC7033 CDSC/ETR MAINT
ITVC7049 ITVC7049 XY/CIF MAINT
XY
115
115
116
CIF
ITVC7049 ITVC7049 XY/CIF MAINT
ITVM9011 ITVM7046 CIF/CDSC MAINT
249A
249A
GMIL
ITVM7034 ITVM7034 GMIL/CDSC MAINT
ITVM7035 ITVM7035 CDSC/GMIL MAINT
106
106
SRB
TEL 4
ITVM7048 ITVM7048 CDSC/TEL 4 MAINT
ITVM7051 ITVM7051 TEL 4/CDSC MAINT
204
204
NOTE:
ALL CIRCUITS ON THIS PAGE ARE TX DEDICATED.
REVISIONS
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
SHUTTLE MAINTENANCE
FEDP-81 REV 11
RCA/SOPL-69000
10-9130
36

372



WIDEBAND SYSTEMS
ESS
REV. 10 06-01-81 373

(PAGE TITLE)

SECTION B-7

NARROW BAND DATA

3. REPLACES PAGE (E) B-7-125 DATED 6-25-79	5. PAGE NO. B-7-96		
4. PROGRAM TITLE FLMP-81	5. TEST CODE	6. PROGRAM NO	7. REVISION NO. 8
19 GAUGE CABLE PATH			4. DATE 8-1-80

9. ITEM NO.	10. TYPE INST	NET TITLE OR NUMBER	A/B	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	37. REFERENCE NOTES
		Analog Measurements Circuits of Field Mill Sites	B	UC-10 2DAME33	54T11 2DAME34	54T12 2DAM635	UC-9 2DAME36	54T10 2DAM637	UC-5 2DAM638	UC-13 2DAME39	UC-4 2DAME40	UC-7 2DAM641	54T8 2DAM646	54T7 2DAM647	UC-12 2DAM648	UC-15 2DAM649	INST. BLDG 2DAME50	UC-3 2DAME51	54T6 2DAM652	FCA 2DAM653	54T1 2DAME54	CIF ANTENNA 2DAM655	UC-2 2DAME56	USB 2DAM657	UC-1 2DAM658	54MT5 2DAM659	TP018 2DAM660	OLF 2DAM645	
		38. STATION OR LOCATION	A																										
		LCC 2P19		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

R

UDS FORM R 229
JULY 70

1. CLASSIFICATION _____

NASA/KSC JAN/74

1. CLASSIFICATION _____

(PAGE TITLE)
SECTION B-7 NARROW BAND DATA

2. REPLACES PAGE (S) B-7-126 DATED 6-25-79
3. PAGE NO. B-7-97
4. DATE 8-1-80
5. PROGRAM TITLE TEDP-81 19 GAUGE CABLE PAIR
6. PROGRAM NO.
7. REVISION NO. 8
9. TEST CODE

8. ITEM NO.	10. TYPE INST	NET TITLE OR NUMBER / STATION/CKT. FUNCTION	A/B	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	37 REFERENCE NOTES
		36.	A	9LF SITE 1	9LF SITE 2	9LF SITE 2	9LF SITE 3	9LF SITE 3	9LF SITE 3	9LF SITE 4	9LF SITE 4	9LF SITE 4	9LF SITE 5	9LF SITE 5	9LF SITE 5	9LF SITE 5	9LF SITE 5	9LF SITE 5											
			B	2DAM219	2DAM220	2LCLN099	2DAM221	2DAM222	2LCLN100	2DAM223	2DAM224	2LCLN101	2DAM225	2DAM226	2LCLN102	2DAM227	2DAM228	2DAM229											
		LACB/Cloud Height Det. Signal		X																								
		LACB/Cloud Height Proj. Signal			X																							
		LACB/Cloud Height Proj. Cont.				X																						
		LACB/Wind Speed Signal					X			X			X			X												
		LACB/Wind Dir, Signal						X			X			X			X											
		LACB/Power On/Off							X			X			X			X										
		LACB/Temp. Singal																X										
		LACB/Dew Point Signal																	X									
		LACB/Rain Gauge Signal																	X									

UDS FORM R 229
JULY 70

1. CLASSIFICATION _____

NASA/KSC JAN/74

375

(PAGE TITLE)

SECTION B-7 NARROW BAND DATA

2. REPLACES PAGE (S) B-7-127 DATED 6-25-79

3. PAGE NO. B-7-98

4. DATE 8-1-80

5. PROGRAM TITLE FEDP-81 - 19 GAUGE CABLE PAIR

6. PROGRAM NO.

7. REVISION NO. 8

8. ITEM NO.

9. TYPE INST

NET TITLE OR NUMBER: Digital Measurements Circuits to Field Mill Sites

9. TEST CODE

10. STATION OR LOCATION		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
	A	UC-5 2DAM052	UC-7 2DAM053	UC-9 2DAM054	UC-10 2DAM055	UC-12 2DAM056	UC-15 2DAM057	54WT1 2DAM058	54WT7 2DAM059	54WT8 2DAM060	54WT10 2DAM061	54WT11 2DAM062	CIF ANTENNA 2DAM063	INST. GLDS 2DAM064	54WT12 2DAM065	UC-13 2DAM066	UC-14 2DAM067	UC-3 2DAM069	54WT6 2DAM070	FCA 2DAM073	UC-2 2DAM074	USB 2DAM075	UC-1 2DAM090	54WT5 2DAM094	TPQ1B 2DAM098	CLF 2DAM068
	B																									
LCC 2P19	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

27 REFERENCE NOTES

UDS FORM R 229
JULY 70

1. CLASSIFICATION _____

1. CLASSIFICATION _____

(PAGE TITLE) SECTION B-7 NARROW BAND DATA	2. REPLACES PAGE (S) B-7-128 DATED 6-25-79	3. PAGE NO. B-7-99
		4. DATE 8-1-80
5. PROGRAM TITLE FEUP-81 - METEOROLOGICAL SUPPORT WIRE PAIRS	9. TEST CODE / 6. PROGRAM NO.	7. REVISION NO. 8

8. ITEM NO.	10. TYPE INST	NET TITLE OR NUMBER		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	37 REFERENCE NOTES
			A	2DAM349 thru 2DAM398																									
			B																										
		36. STATION OR LOCATION	A																										
		2P19 to Pad A (CK #1 thru 50)		X																									

UDS FORM R 229
JULY 70

1. CLASSIFICATION _____

1. CLASSIFICATION K-SM-10.2.81

(PAGE TITLE)
SECTION B-7 NARROW BAND DATA

2. REPLACES PAGE (5) B-7-129
DATED 6-25-79

3. PAGE NO. B-7-100

4. DATE 8-1-80

5. PROGRAM TITLE FEDP-81 Meteorological Support Wire Pairs

9. TEST CODE

6. PROGRAM NO.

7. REVISION NO. 8

R

8. ITEM NO.	10. TYPE INST	NET TITLE OR NUMBER / STATION/CKT FUNCTION		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
			A	30FT2418	2TTC-017	2TCC-027																						
			B	1																								
		36. STATION OR LOCATION	A																									
		NAT, Hurricane Center TTY		X																								
		Upper Air TTY			y																							
		BRRS/LACB Weather Obsv. TTY				X																						

37 REFERENCE NOTES

(1) Circuits connect LCC to SBT&T I/F.

1. CLASSIFICATION _____

| | | |

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-9		2. REPLACES PAGE (S) DATED	3. PAGE NO. B-9-1
			4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11.
	COMMUNICATIONS CENTER FACILITIES

UDS FORM S G/B
JULY 70

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-9 COMM CENTER FACILITIES		2. REPLACES PAGE (S) DATED 02-07-79	3. PAGE NO. B-9-2
			4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION			

8. ITEM NO.

11.

KSC HEADQUARTERS COMM. CENTER

A. Location: Room 1161, KSC Headquarters Building.
B. Hours of Operation: 0730-1630, Monday through Friday.
C. Circuits/Capabilities:

1. NASA High Speed Facsimile Network (RAPIFAX).
2. NASA Low Speed Facsimile Network.
3. GSA Advanced Record Service.

a. Circuits to most government agencies.
b. Access to Military Autodin Network.
c. Access to Western Union circuits.

4. GSFC Tracking Network

a. Direct access to all NASA Tracking Stations.
b. Access to Military Autodin.
c. Commercial Refile Capability.

5. Telex

a. Dial capability to reach Telex machines world-wide.
b. Access to TWX Network.
c. Access to Western Union.

PAGE TITLE: SECTION B-9 COMM CENTER FACILITIES		2. REPLACES PAGE (S) DATED 02-07-79	3. PAGE NO. B-9-3
			4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION			

8. ITEM NO.

11.

6. Full duplex circuits to/from Hangar AE, VAB, and O&C Com. Centers.

7. Send capability to PAFB and CIF.

VAB COMMUNICATIONS CENTER

A. Location: Room 2M6, VAB.
B. Hours of Operations: 0730-1930, Monday through Friday.
C. Circuits/Capabilities.

1. NASA High Speed Facsimile Network. (RAPIFAX)
2. NASA Low Speed Facsimile Network.
3. Full duplex teletype circuit to KSC Headquarters Comm. Center provides capability or sending/receiving via all KSC circuits.

O&C COMMUNICATIONS CENTER (Temporarily Closed)

A. Location: Room 1098, O&C Building.
B. Hours of Operaton: TBD
C. Circuits/Capabilities.

1. Full duplex teletype circuit to KSC Headquarters Comm. Center.

AE COMM CENTER

A. Location: Room 137, Hangar AE, CCAFS
B. Hours of Operation: 0800-1630, Monday through Friday
C. Circuits/Capabilities.

1. NASA High Speed FAX.
2. NASA Low Speed FAX.
3. Full duplex to KSC Headquarters Comm Center.
4. GSFC Tracking Network.

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-10		2. REPLACES PAGE (S) DATED	3. PAGE NO. B-10-1 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11.
	TIMING

B 83

UDS FORM S G/B
JULY 70

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-10 TIMING		2. REPLACES PAGE (S) DATED	3. PAGE NO. B-10-2
			4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11.

The CIF and LCC Timing Stations each maintain two identical sets of equipment for generating accurate time and frequency signals. Each set consists of a standard reference oscillator, code generators, and a time-base generator. The duplication of equipment serves two purposes: it provides a standby and ensures high accuracy by comparing the outputs of two sets of equipment with similar signals from the Air Force Eastern Test Range to provide majority logic determination of signal distribution.

The timing system has terminal timing units located in all areas. Signals from these units are distributed to the user end instruments. Modular design is used to facilitate expansion and to allow response in a timely manner to program needs.

The LCC Timing Station will provide timing for the LC-39 area (pads, LCC, OLF, etc.). The CIF Timing Station will provide timing for the industrial area (O&C, HMF, SAEF #1, etc.).

The CIF Timing Station will start downmoding after the MJS mission and will continue until completion of Shuttle DDT&E. Equipment turnoff is planned for December 1980.

1. CLASSIFICATION _____

(PAGE TITLE) SECTION B-10 TIMING	2. REPLACES PAGE (S) B-10-3 DATED 1-11-80	3. PAGE NO. B-10-3
		4. DATE 8-1-80
5. PROGRAM TITLE FEDP 81	6. PROGRAM NO.	7. REVISION NO. 8

8. ITEM NO.	10. TYPE INST	NET TITLE OR NUMBER		11 IRIG A	12 IRIG B	13 IRIG D	14 IRIG E	15 IRIG H	16 2KPPS	17 SRB Ignition Command	18 1KPPS	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	37 REFERENCE NOTES
			A																										
			B																										
		36. STATION OR LOCATION	A																										
		LCC 1P1				X		X																					
		LCC 2P10			X																								
		LCC 2P20			X	X																							
		LCC 2P22						X																					
		LCC 2P17			X			X																					
		LCC 2P18			X			X																					
		LCC 1P9							X																				R
		LCC 3P1			X																								
		LCC 3P2			X																								
		LCC 1P2			X																								
		Pad A		X	X	X	X																						
		OPF RM 107			X			X																					
		LETF Control			X	X	X	X																					
		LETF Photo Sys.			X					X																			
		HMF RM 114			X																								
		OLF Camera Site		X	X																								
		OLF Laser Site			X																								
		OLF RM 5 LACB			X	X																							
		OLF RM 3 LACB			X																								
		CD&SC RM 131			X	X	X																						
		VAB RM 2L9 RSF			X																								
		VAB RM 2R11 to 2K14			X																								

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JULY 70

1. CLASSIFICATION _____

1. CLASSIFICATION

(PAGE TITLE) SECTION B-10 TIMING			2. REPLACES PAGE (S) DATED	3. PAGE NO. B-10-4
				4. DATE 2-7-79
5. PROGRAM TITLE FEDP 81		8. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 5

9. ITEM NO.	10. TYPE INST	11. NET TITLE OR NUMBER	86. STATION OR LOCATION	A/B	11 IRIG A	12 IRIG B	13 IRIG D	14 IRIG E	15 IRIG H	16 2 KPPS	17 FIRST MOTION	18 1KPPS	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	37 REFERENCE NOTES
			FCTB Rcdr.1/FRK Raw Data	A		X	X																						
			FCTB PRD/SPA Serial 0			X	X																						
			FCTB Delta PRD/SPA			X	X																						
			Serial 0																										
			Universal Camera Site 1			X																							
			Universal Camera Site 2			X																							
			Universal Camera Site 3			X																							
			Universal Camera Site 4			X																							
			Universal Camera Site 5			X																							
			Universal Camera Site 6			X																							
			Universal Camera Site 7			X																							
			Universal Camera Site 8			X																							
			Universal Camera Site 9			X																							
			Universal Camera Site 10			X																							
			Universal Camera Site 11			X																							
			Universal Camera Site 12			X																							
			Universal Camera Site 13			X																							
			Universal Camera Site 14			X																							
			Universal Camera Site 15			X																							
			Universal Camera Site 16			X																							
			Universal Camera Site 17			X																							
			Universal Camera Site 18			X																							

1. CLASSIFICATION K-SM-10.2.81

(PAGE TITLE)	2. REPLACES PAGE (S)	3. PAGE NO.
SECTION B-10 TIMING	B-10-5 DATED 1-11-80	B-10-5
		4. DATE 8-1-80
5. PROGRAM TITLE FEDP 81	9. TEST CODE / 6. PROGRAM NO.	7. REVISION NO. 8

8. ITEM NO.	10. TYPE INST	NET TITLE OR NUMBER		11 A IRIG	12 B IRIG	13 D IRIG	14 E IRIG	15 H IRIG	16 2 KPPS	17 1 KPPS	18 SRB Ignition Command	19 1 Rig B MOD	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	37 REFERENCE NOTES
			A																									
			B																									
		36. STATION OR LOCATION	A																									
		VAB Rm 3E14																										
		MLP 1 Rm 9B			X					X																		
		PTCR A 208			X					X																		
		LCC 2P20			X					X																		
		Timing Area																										

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JULY 70

1. CLASSIFICATION

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-11		2. REPLACES PAGE (S) DATED	3. PAGE NO. B-11-1 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11.
	COUNTDOWN

UDS FORM S G/B
JULY 70

1. CLASSIFICATION _____

(PAGE TITLE)

SECTION B-11 - VISUAL COUNTDOWN AND STATUS INDICATORS

2. REPLACES PAGE (S)

DATED

3. PAGE NO. B-11-2

4. DATE 2-7-79

5. PROGRAM TITLE FEDP-81

6. PROGRAM NO.

7. REVISION NO. 5

8. ITEM NO.

9. TYPE INST

10. NET TITLE OR NUMBER

11. 1 KT Console 1" Mtg.

12. 1 KT Rail 2" Mtg.

13. 1 KT Rail 5" Mtg.

14. Status Clock

37. REFERENCE NOTES

36. STATION OR LOCATION	A	11	12	13	14
LCC 2P22		18	1		
LCC 2R4			2		
LCC 2P20			4		
LCC 2P10			7		
LCC 1P1		1	1		
LCC 1P9			9		
LCC 1R15			1		
LCC 3P1				2	1
LCC 3P2				2	1
LCC 2P17				1	
LCC 2P18				1	
LCC 1P10			1		
LCC RM 1P2 OTV CD					
Interface					
Auditorium			2		
STDN/GMIL		3	1		
CD&SC		5	6		
OPF			2		
OLF - Control Room			1		
CCF			2		
CTR KCC		1	1		

UOS FORM B 229
JULY 70

3-9

1. CLASSIFICATION _____

1. CLASSIFICATION K-SM-10.2.81

(PAGE TITLE)

SECTION B-11 VISUAL COUNTDOWN AND STATUS INDICATORS

2. REPLACES PAGE (S) B-11-3 DATED 1-11-80

3. PAGE NO. B-11-3

4. DATE 8-1-80

5. PROGRAM TITLE FEDP 81

9. TEST CODE

6. PROGRAM NO.

7. REVISION NO. 8

8. ITEM NO.	10. TYPE INST	NET TITLE OR NUMBER		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	37 REFERENCE NOTES
			A	1 KT Console 1" MTG.	2 KT - 2" MTG. Rail MTG.	6 KT 6" MTG. Rail MTG.	Status Clock	Local Control	NASA Serial Count	Count/Hold	Holdfire																	
			B																									
		36. STATION OR LOCATION	A																										
		LETF - Control Room		2	2			X																					
		Pad A PTCR RM 207		1																									
		RSS			2																								
		FSS			2																								
		PTCR RM 210		1																									
		CCAFS - RCC							X	X	X																		R
		LCC RM 1P13B				1																							R
		TVC Hot Fire Van (M7-1412)		1	2					X																			

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1. CLASSIFICATION _____

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION B-11 VISUAL COUNTDOWN AND STATUS INDICATORS		2. REPLACES PAGE (S) DATED	3. PAGE NO. B-11-4 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11.
	The existing Countdown & Status Transmission System (CASTS) will be used to provide to MSFC & GSFC via high speed long lines, KSC Countdown Clock Time. The CASTS (System) is currently located in Room 291 of the CIF and is used to support ELV Operations.

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C		2. REPLACES PAGE (S) DATED	3. PAGE NO. C-0-1 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11.
	PAYLOAD UNIQUE REQUIREMENTS This section lists the communications implementation plans for Payloads. Upper Stages and Spacelab on a system-by-system basis.

UDS FORM S G/B
JULY 70

1. CLASSIFICATION K-SM-10.2.81

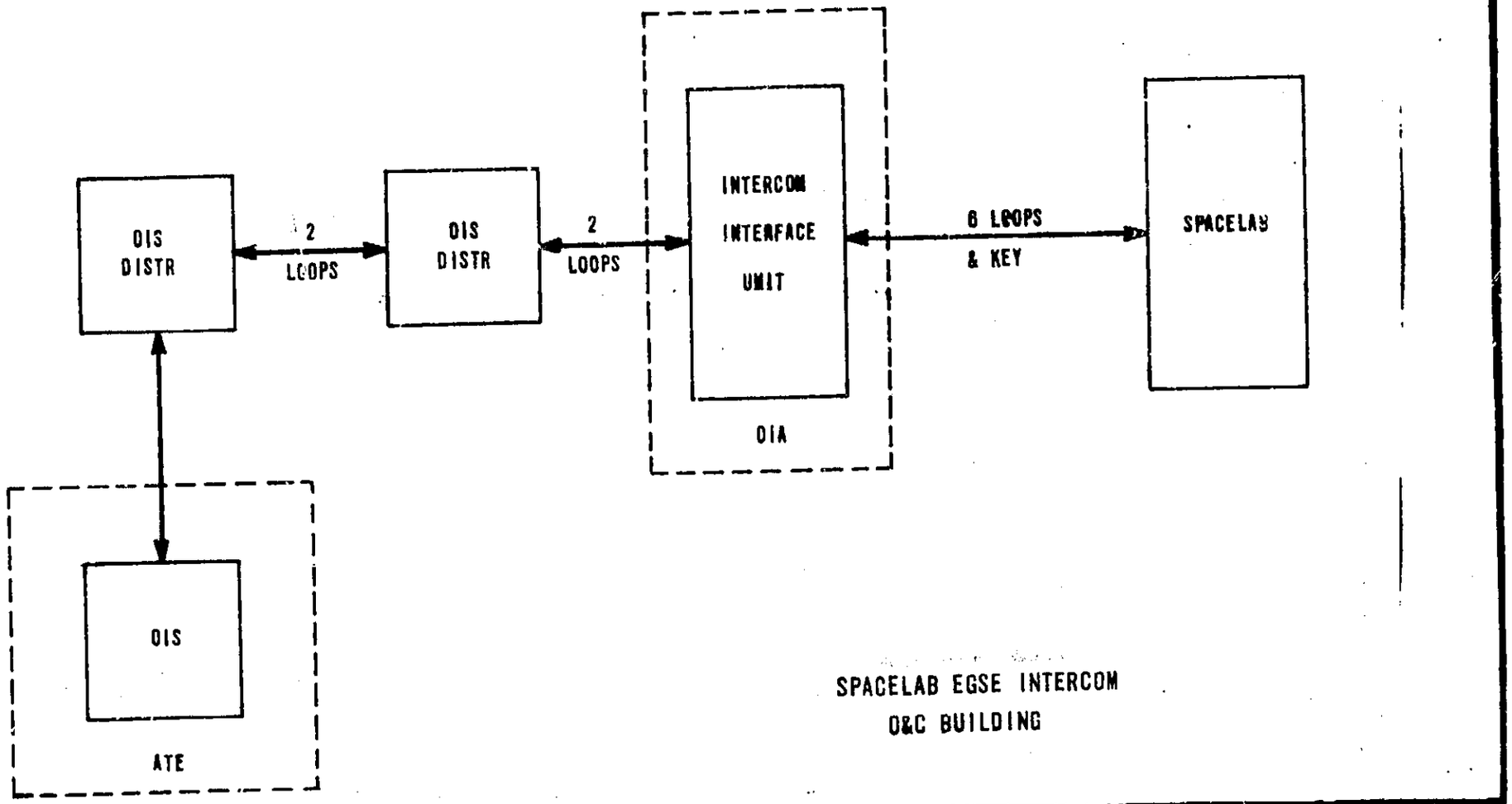
PAGE TITLE: SECTION C-1		2. REPLACES PAGE (S) C-1-1 DATED 2-7-79	3. PAGE NO. C-1-1
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION			
8. ITEM NO.	11. OIS		

R

1. CLASSIFICATION: K-SM-10.2.81

(PAGE TITLE) Section C OIS			2. REPLACES PAGE (S) DATED	3. PAGE NO. C-1-2
				4. DATE 2-7-79
5. PROGRAM TITLE FEDP-81	6. ITEM NO.	9. TEST CODE	8. PROGRAM NO.	7. REVISION NO. 5
10. LOCATION				

11.



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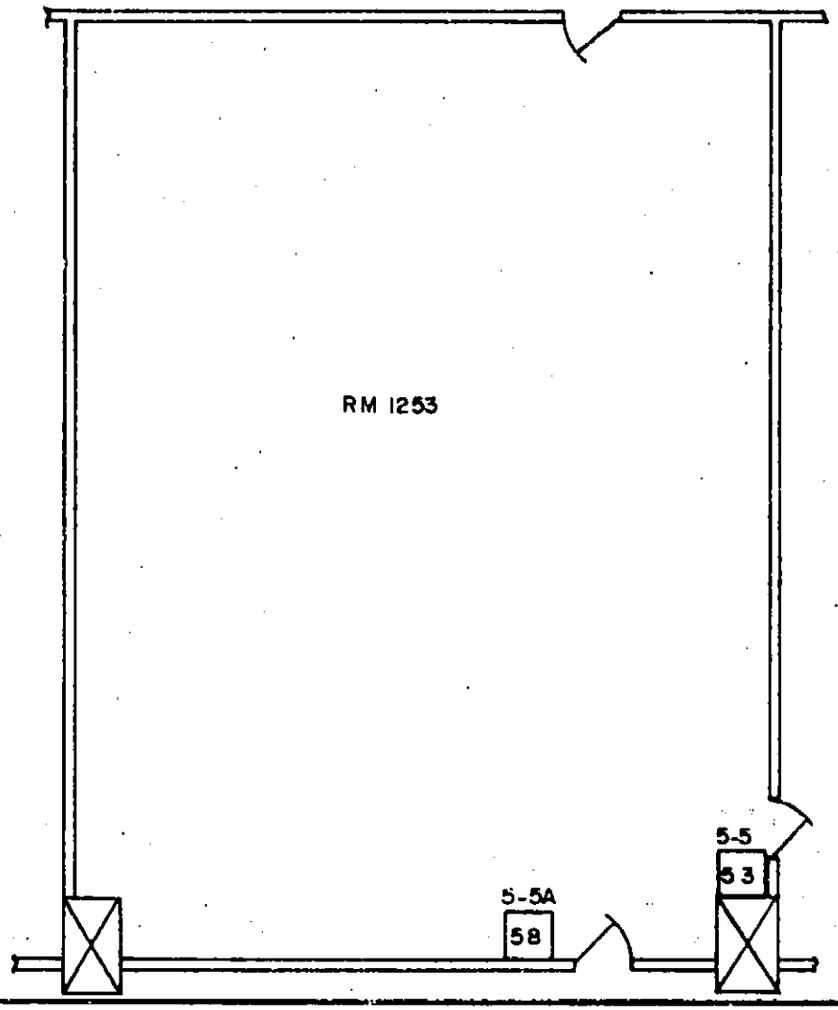
UDS FORM S C/C
JULY 70

1. CLASSIFICATION

1. CLASSIFICATION _____

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) C-1-3 DATED 6/1/81	3. PAGE NO. C-1-3
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION O&C BLDG., ROOM 1253				

C-1-3



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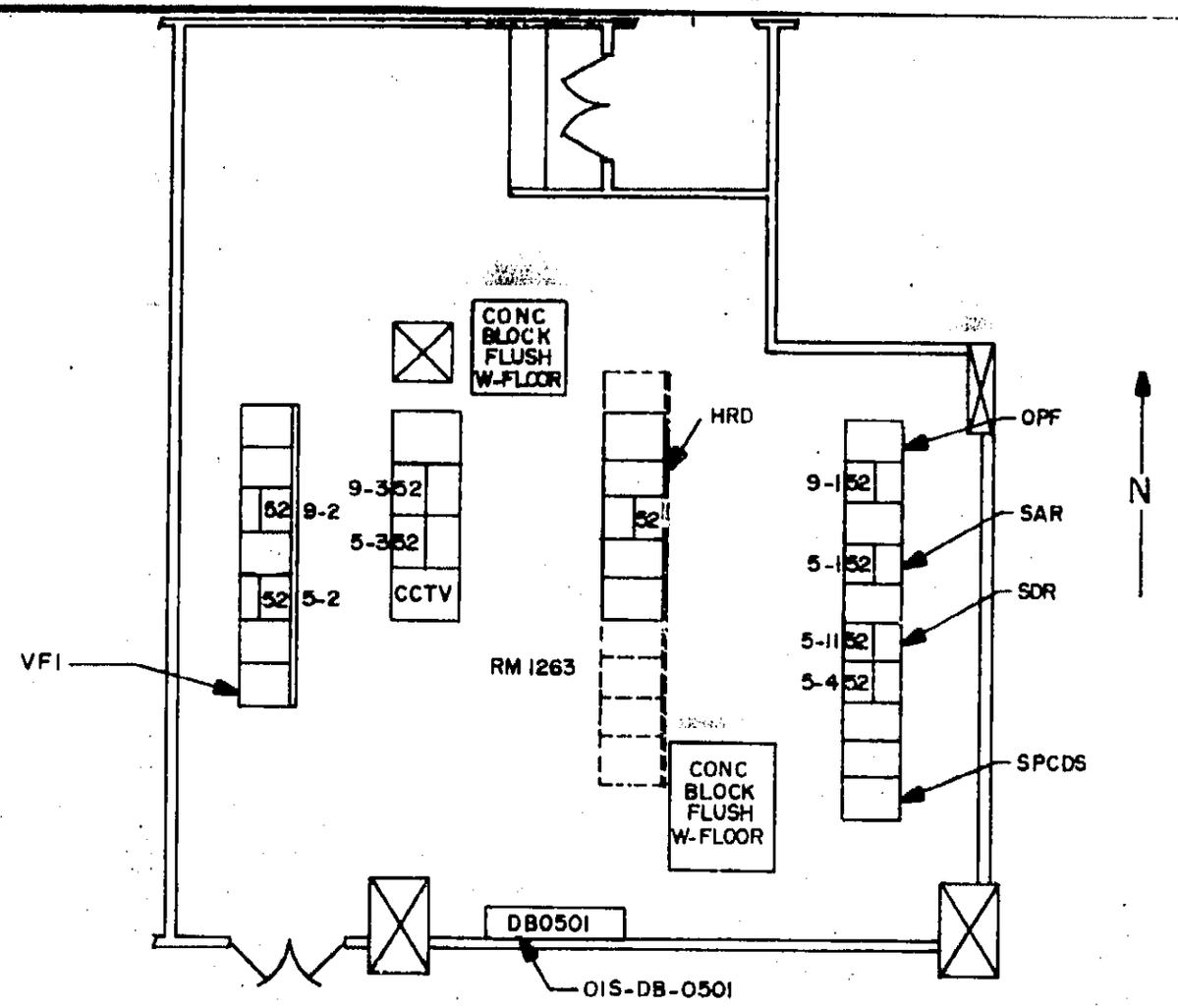
UDS FORM S G/C
JULY 70

1. CLASSIFICATION _____

1. CLASSIFICATION _____

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) C-1-4 DATED 6/1/81	3. PAGE NO. C-1-4
				4. DATE 12/1/81
5. PROGRAM TITLE EEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION O&C BLDG., ROOM 1263				

C-1-4



OIS FORM 5 C/C
JULY 70

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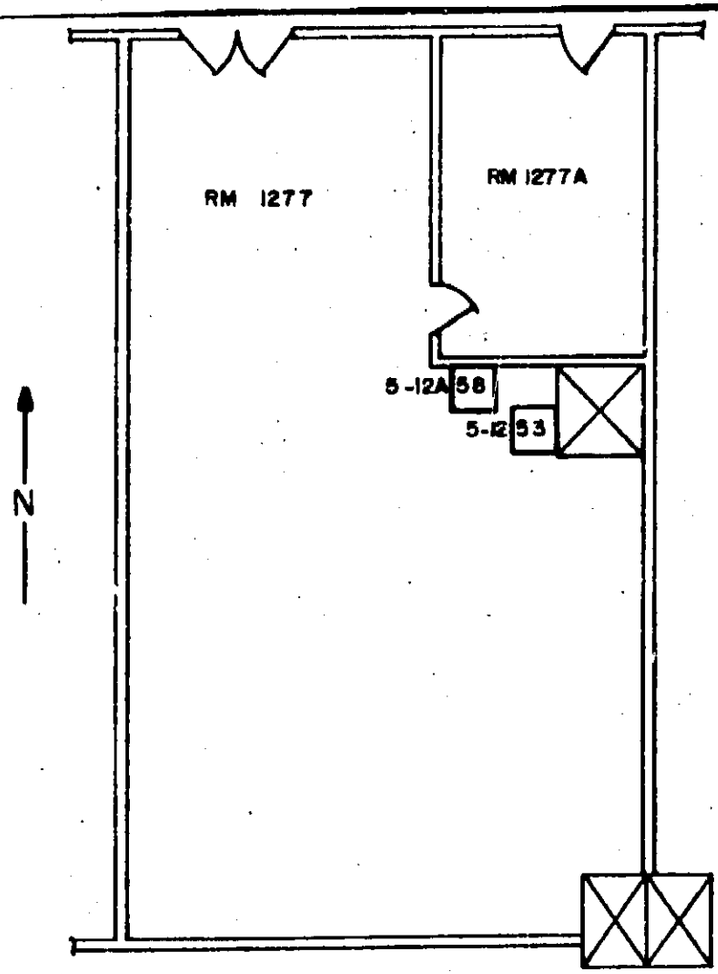
1. CLASSIFICATION _____

1. CLASSIFICATION

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) C-1-5 DATED 6/1/81	3. PAGE NO. C-1-5	
				4. DATE 12/1/81	
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11	
10. LOCATION O&C BLDG., ROOMS 1277 & 1277A.					

C-1-5

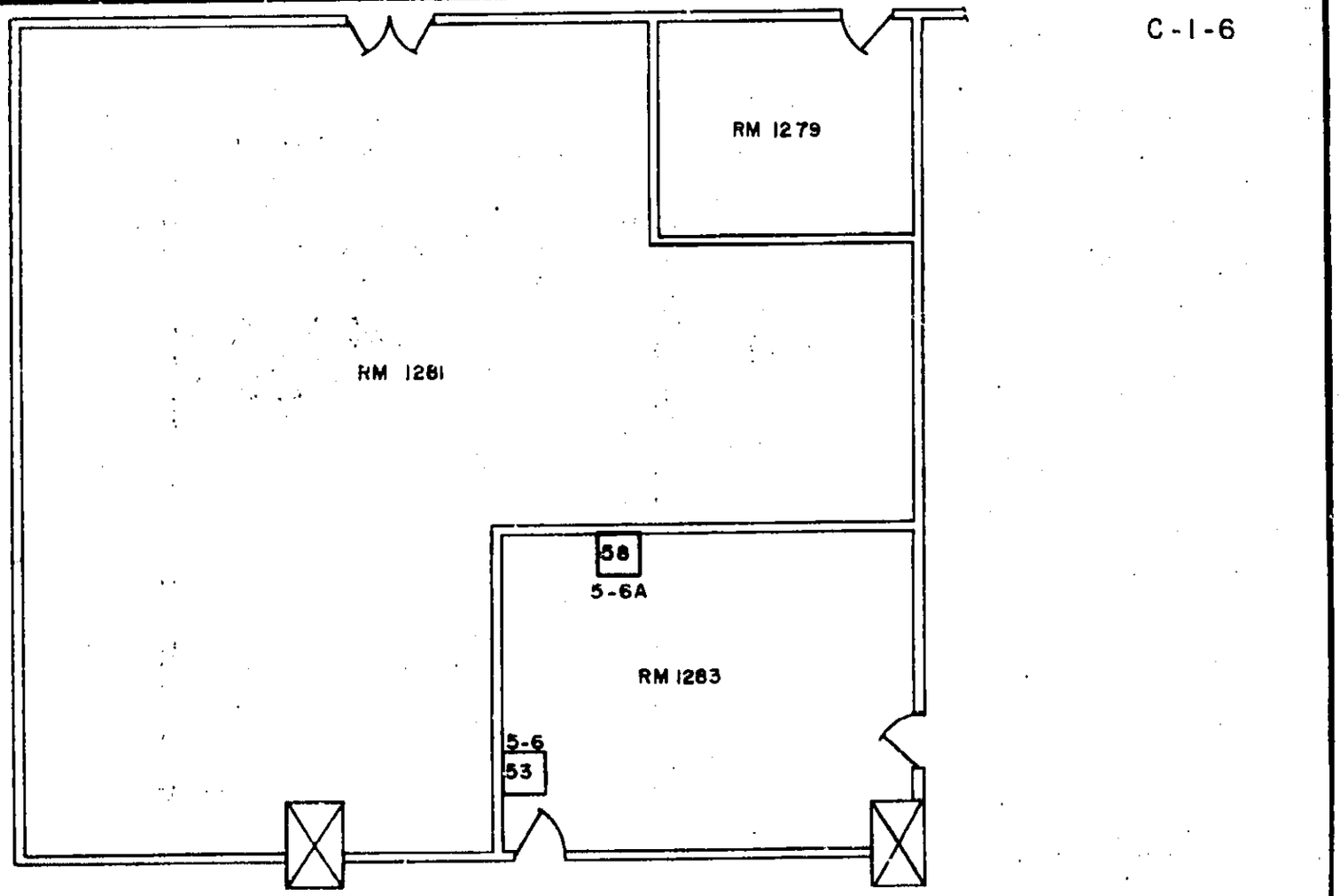


UDS FORM 8 C/C
JULY 70

1. CLASSIFICATION

1. CLASSIFICATION _____

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) C-1-6 DATED 6/1/81	3. PAGE NO. C-1-6
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION O&C BLDG., ROOMS 1279, 1281 & 1283				



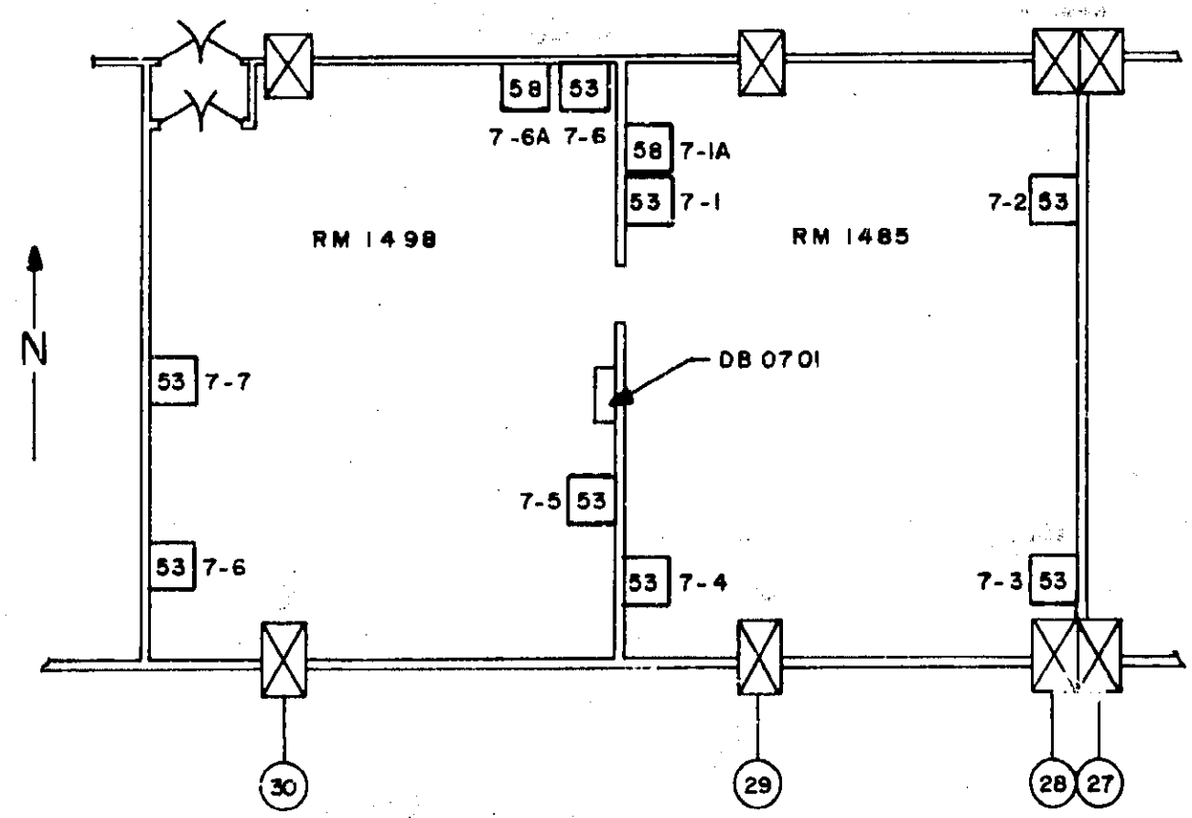
UDS FORM 5 C/C
JULY 70

1. CLASSIFICATION _____

1. CLASSIFICATION

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) C-1-7 DATED 6/1/81	3. PAGE NO. C-1-7
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION O&C BLDG., ROOMS 1485 & 1489 .				

C-1-7

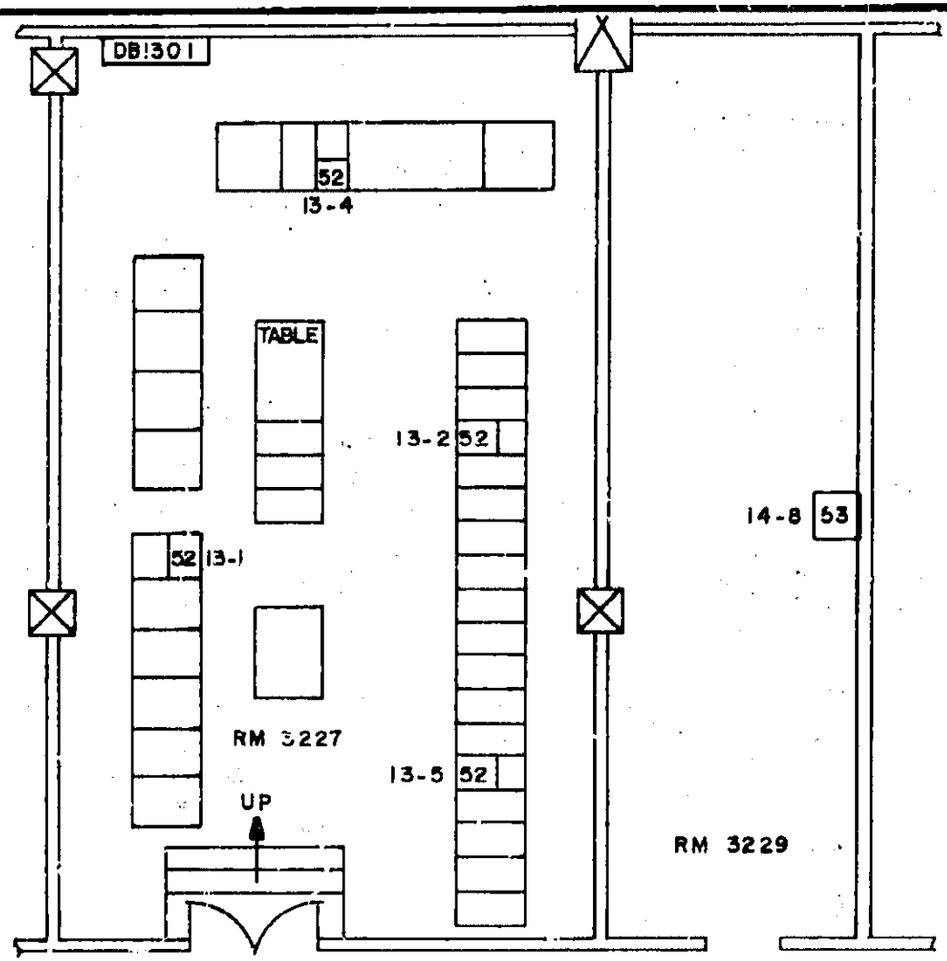


FLOOR PLAN
(RM 1485 & 1489)

1. CLASSIFICATION

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) C-1-8 DATED 6/1/81	3. PAGE NO. C-1-8
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION O&C BLDG., ROOMS 3227 & 3229				

C-1-8



1700

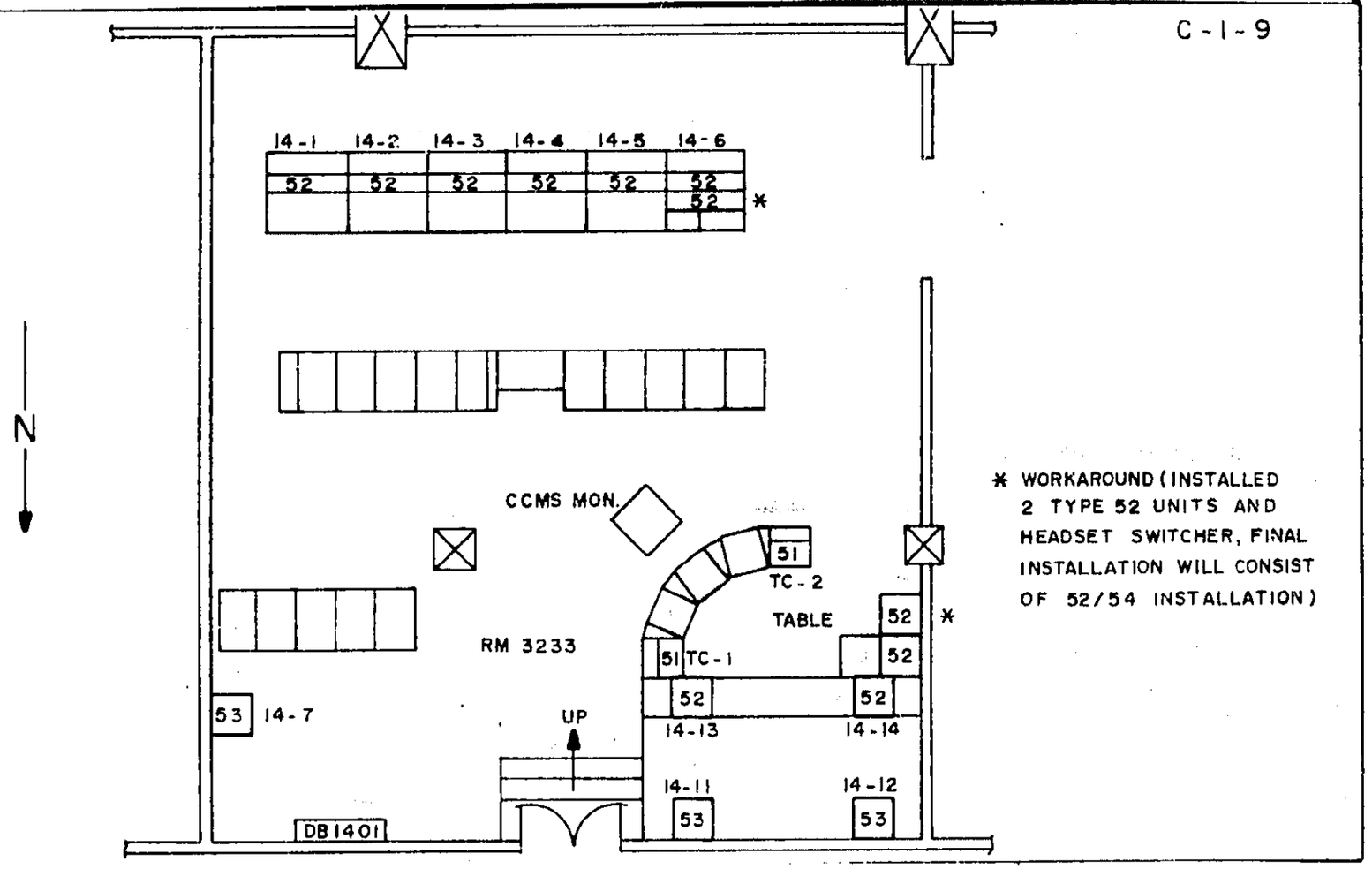
UDS FORM 8 G/C
JULY 70

1. CLASSIFICATION

1. CLASSIFICATION _____

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) C-1-9 DATED 6/1/81	3. PAGE NO. C-1-9
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION O&C BLDG., ROOM 3233				

C-1-9



* WORKAROUND (INSTALLED 2 TYPE 52 UNITS AND HEADSET SWITCHER, FINAL INSTALLATION WILL CONSIST OF 52/54 INSTALLATION)

UDS FORM S C/C
JULY 70

1. CLASSIFICATION _____

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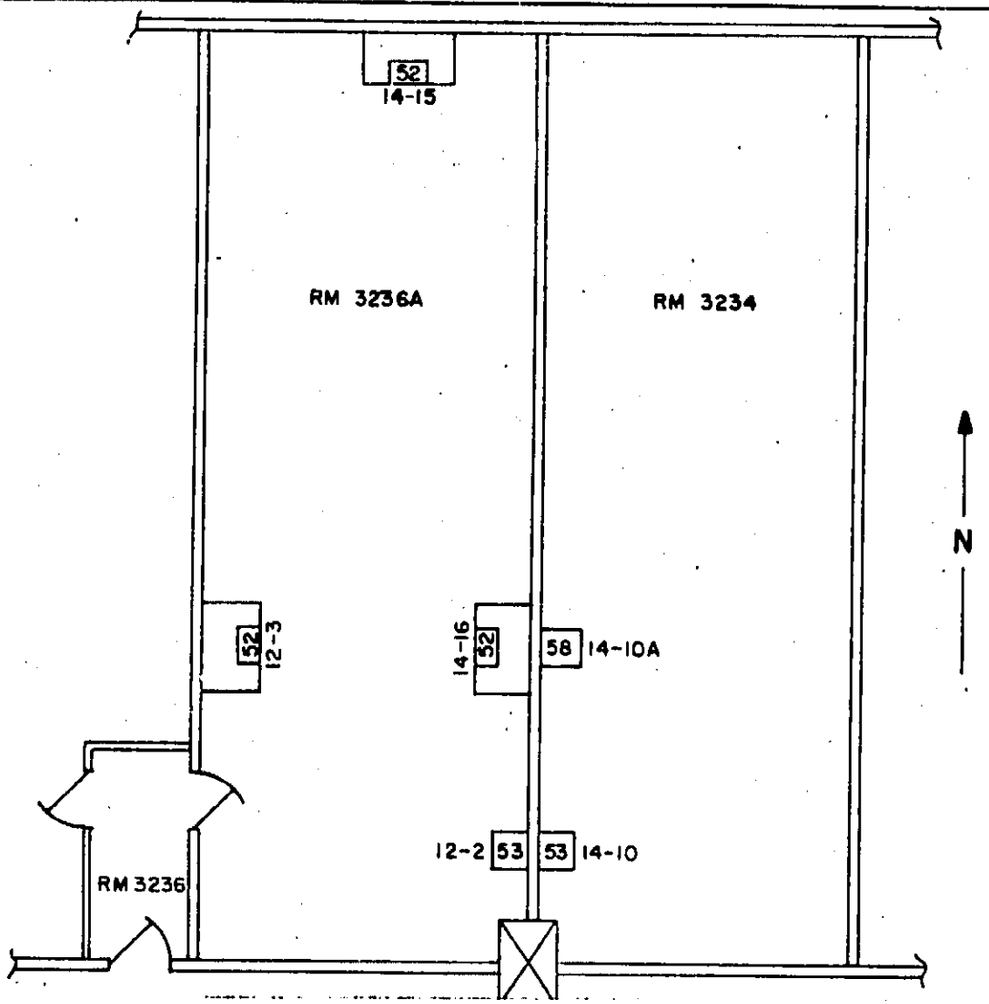
1. CLASSIFICATION _____

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			3. REPLACES PAGE (S) C-1-10 DATED 6/1/81	2. PAGE NO. C-1-10
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION O&C BLDG., ROOMS 3236A & 3234				

C-1-10



4/02

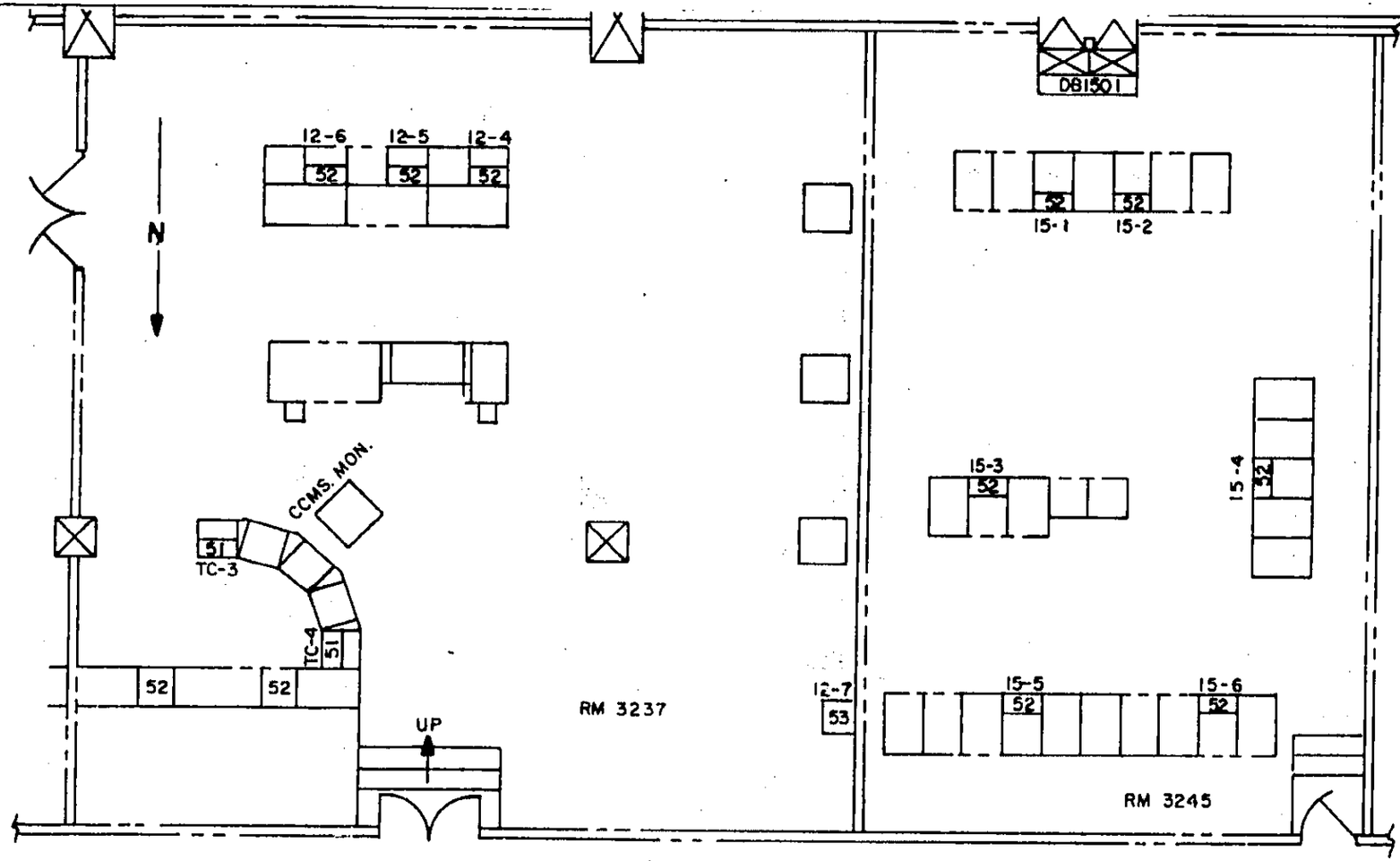
UDS FORM S C/C
JULY 70

1. CLASSIFICATION _____

1. CLASSIFICATION _____

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) C-1-11 DATED 6/1/81	3. PAGE NO. C-1-11
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION O&C BLDG., ROOMS 3237 & 3245				

C-1-11



UDS FORM S C/C
JULY 70

1. CLASSIFICATION _____

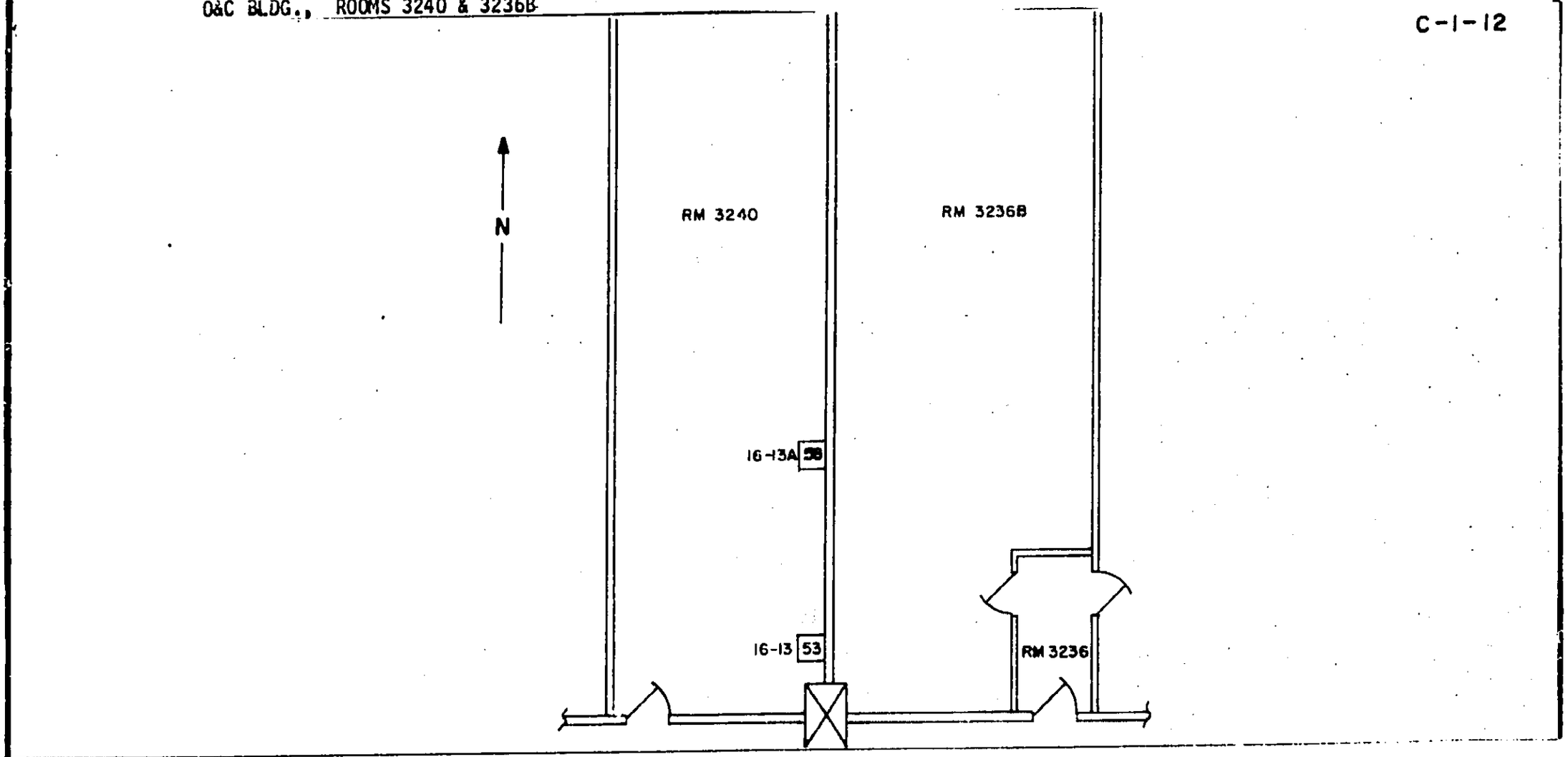
4/03

1. CLASSIFICATION _____

(PAGE TITLE) OIS EID INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) C-1-12 DATED 6/1/81	3. PAGE NO. C-1-12
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11

10. LOCATION O&C BLDG., ROOMS 3240 & 3236B

C-1-12



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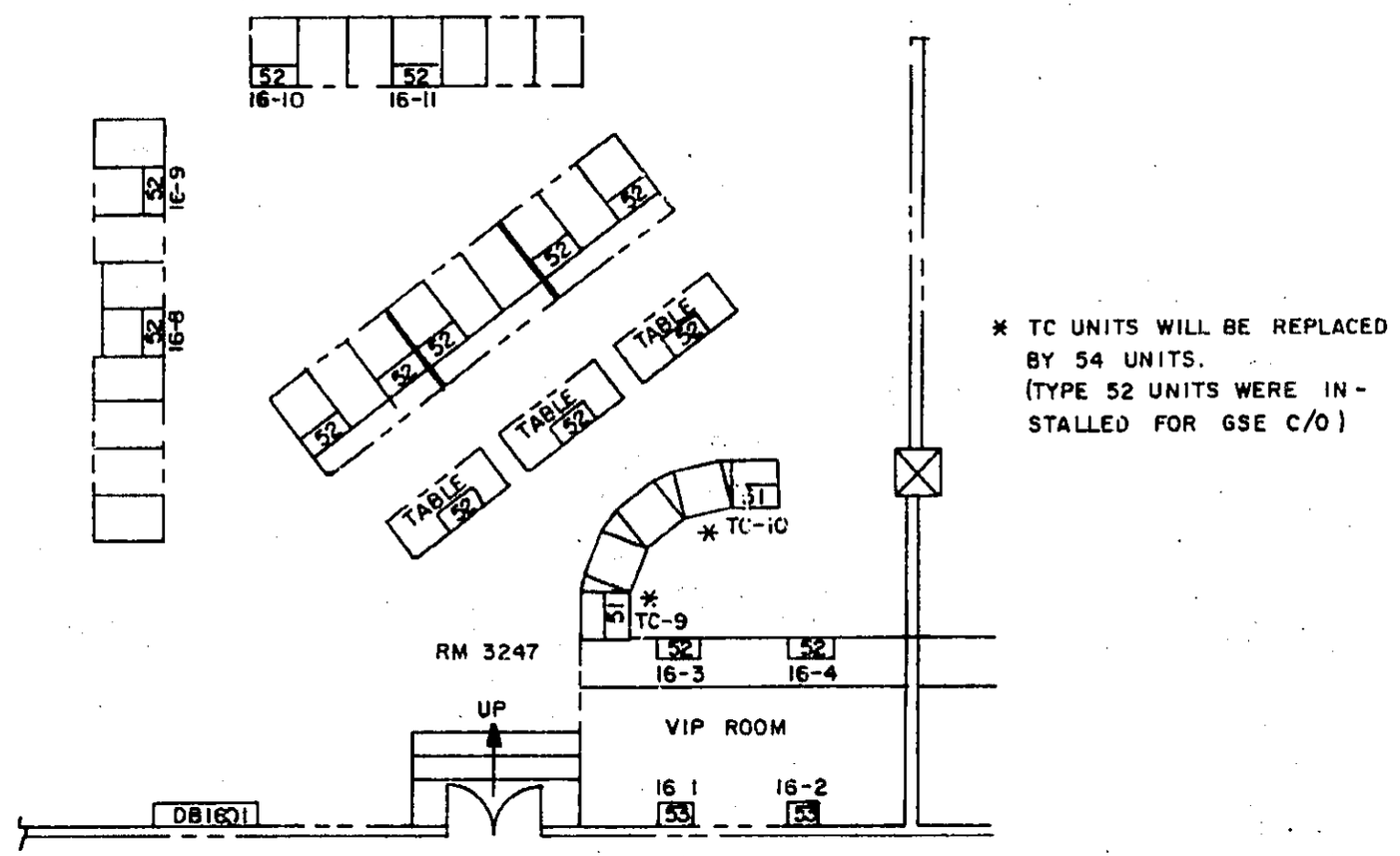
UDS FORM 8 C/C
JULY 70

1. CLASSIFICATION _____

1. CLASSIFICATION _____

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) C-1-13 DATED 6/1/81	3. PAGE NO. C-1-13
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION O&C BLDG., ROOM 3247				

C-1-13



* TC UNITS WILL BE REPLACED BY 54 UNITS. (TYPE 52 UNITS WERE IN-STALLED FOR GSE C/O)

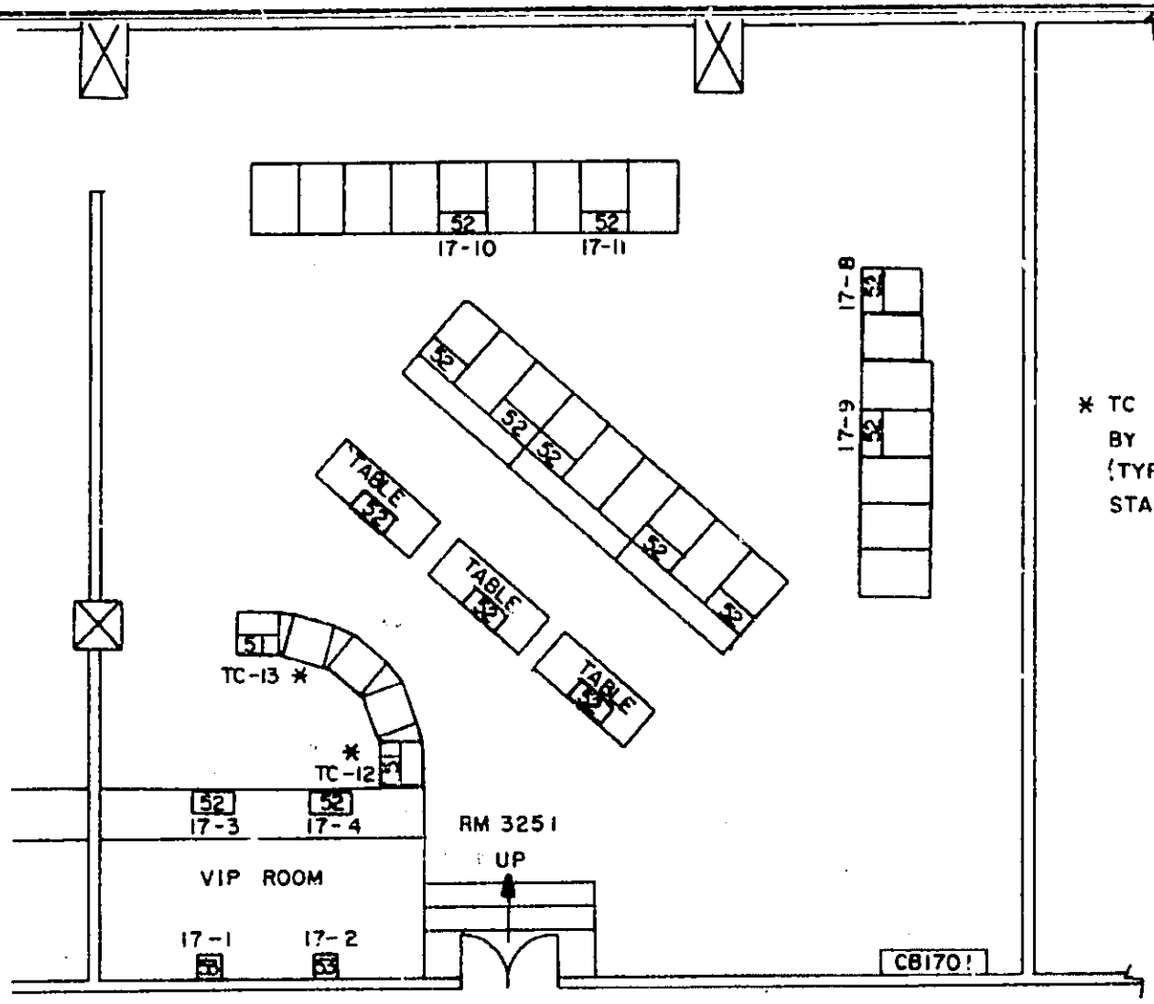
UDS FORM S G/C
JULY 70

1. CLASSIFICATION _____

1. CLASSIFICATION _____

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) C-1-14 DATED 6/1/81	3. PAGE NO. C-1-14
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION O&C BLDG., ROOM 3251				

C-1-14



* TC UNITS WILL BE REPLACED BY 54 UNITS.
(TYPE 52 UNITS WERE INSTALLED FOR GSE C/O)

H64

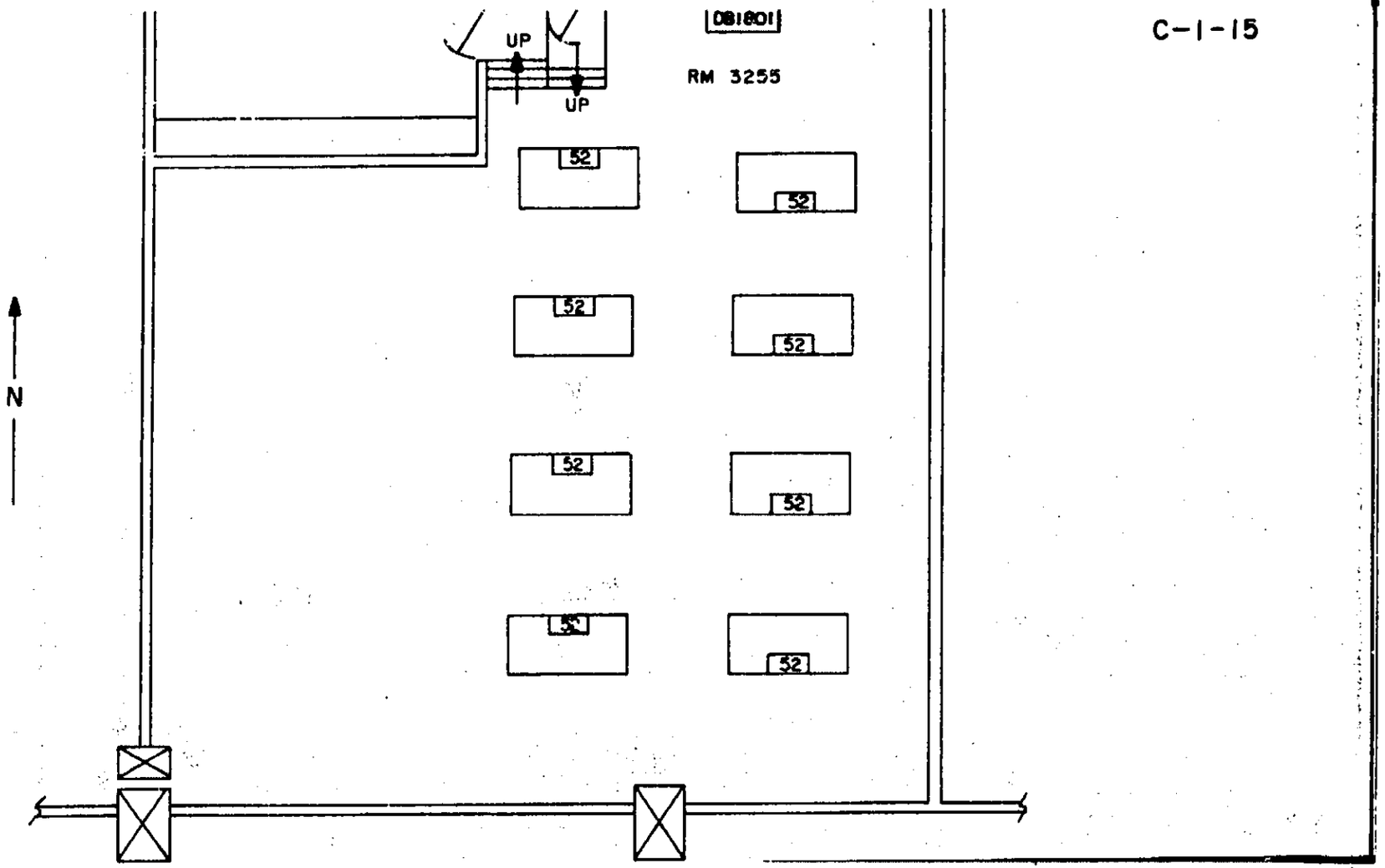
UDS FORM S G/C
JULY 70

1. CLASSIFICATION _____

1. CLASSIFICATION

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) C-1-15 DATED 6/1/81	3. PAGE NO. C-1-15
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION O&C BLDG., ROOM 3255				

C-1-15



UDS FORM S C/C
JULY 70

4 of 7

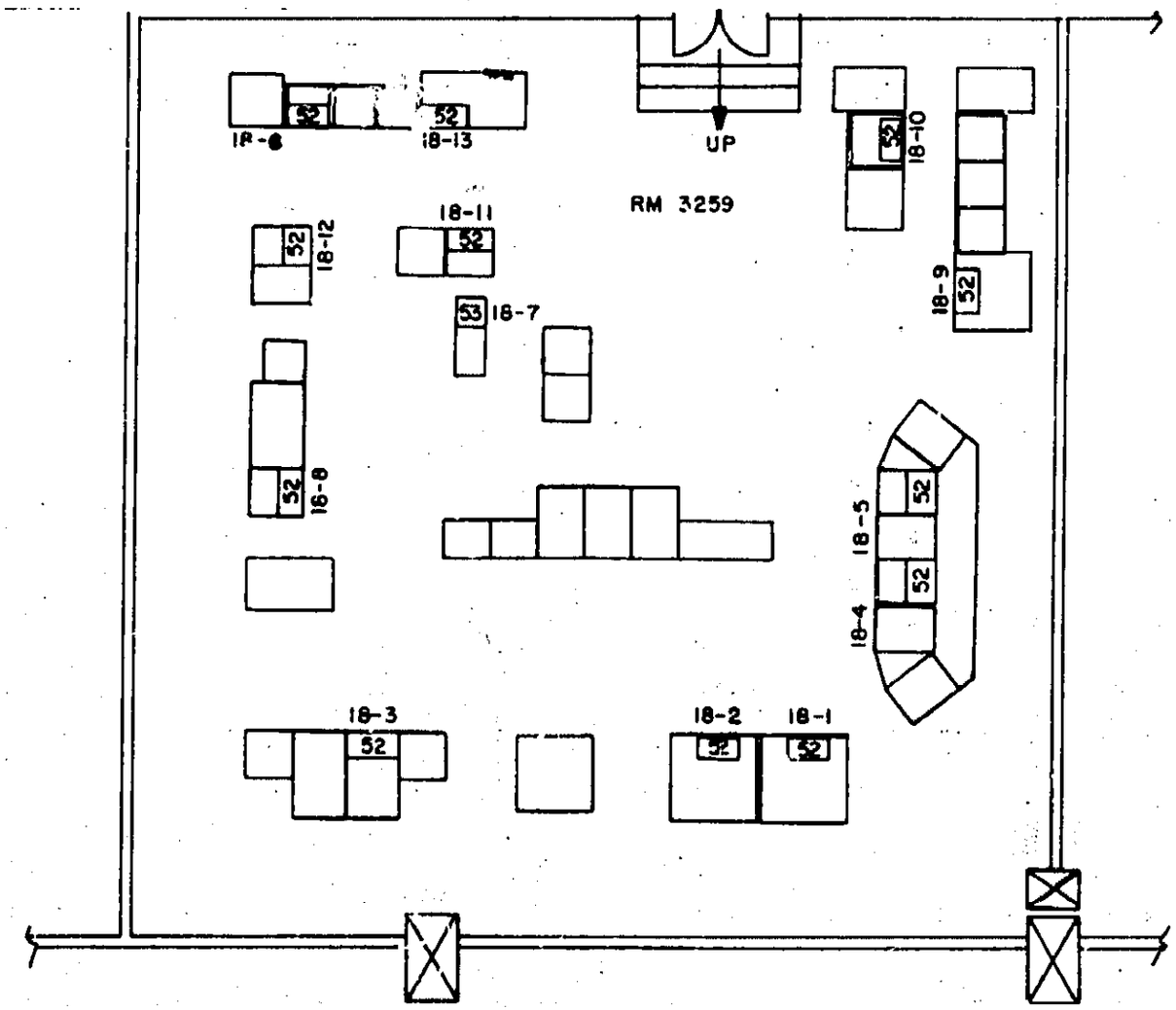
1. CLASSIFICATION

1. CLASSIFICATION

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) C-1-16 DATED 6/1/81	3. PAGE NO. C-1-16
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11

10. LOCATION O&C BLDG., ROOM 3259

C-1-16



UDS FORM 5 G/C
JULY 70

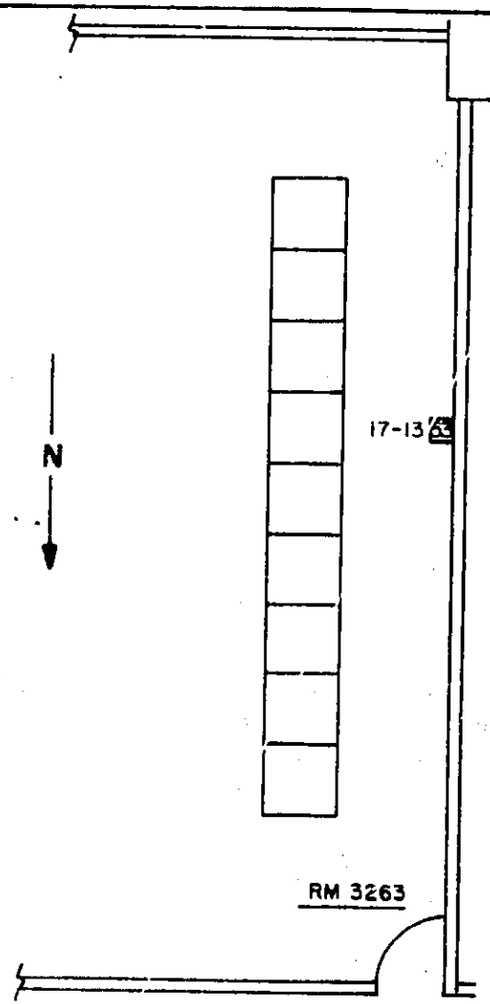
1. CLASSIFICATION

401

1. CLASSIFICATION _____

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. C-1-17
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION O&C BLDG., ROOM 3263				

C-1-17



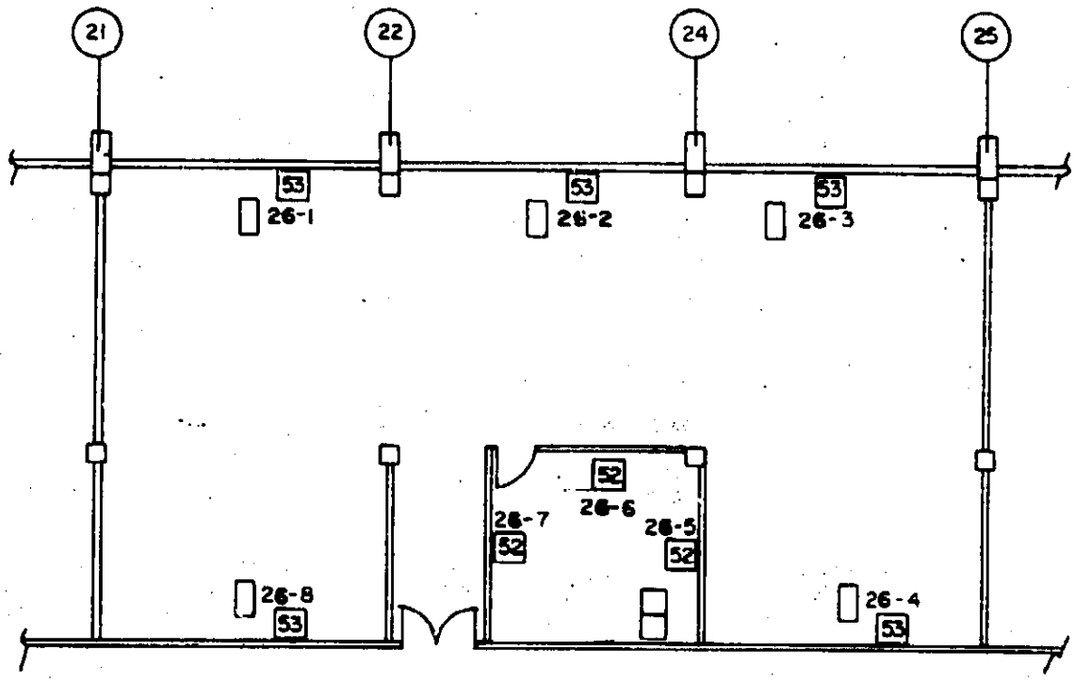
UDS FORM S C/C
JULY 70

1. CLASSIFICATION _____

1. CLASSIFICATION _____

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. C-1-18
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	6. ITEM NO.	9. TEST CODE	8. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION O&C BLDG., USER ROOM A (4265 - 4267)				

C - 1 - 18



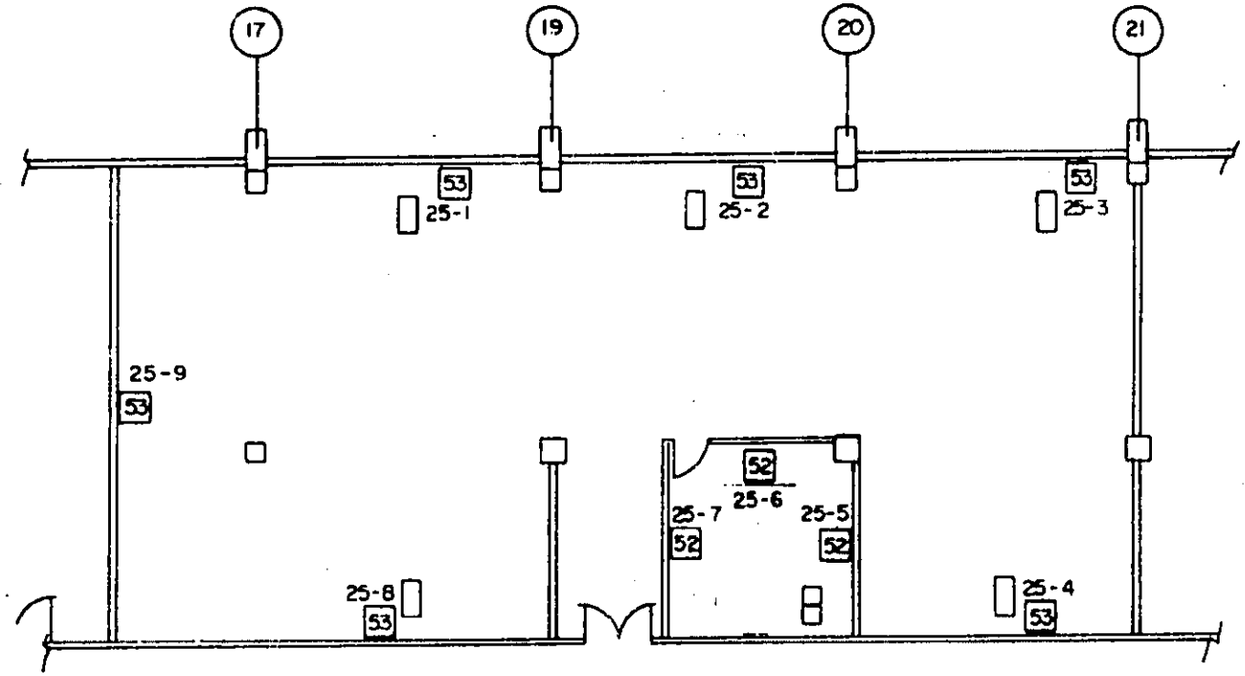
UDS FORM S C/C
JULY 70

1. CLASSIFICATION _____

1. CLASSIFICATION

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. C-1-19
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION O&C BLDG., USER ROOM B (4249 - 4255)				

C - 1 - 19



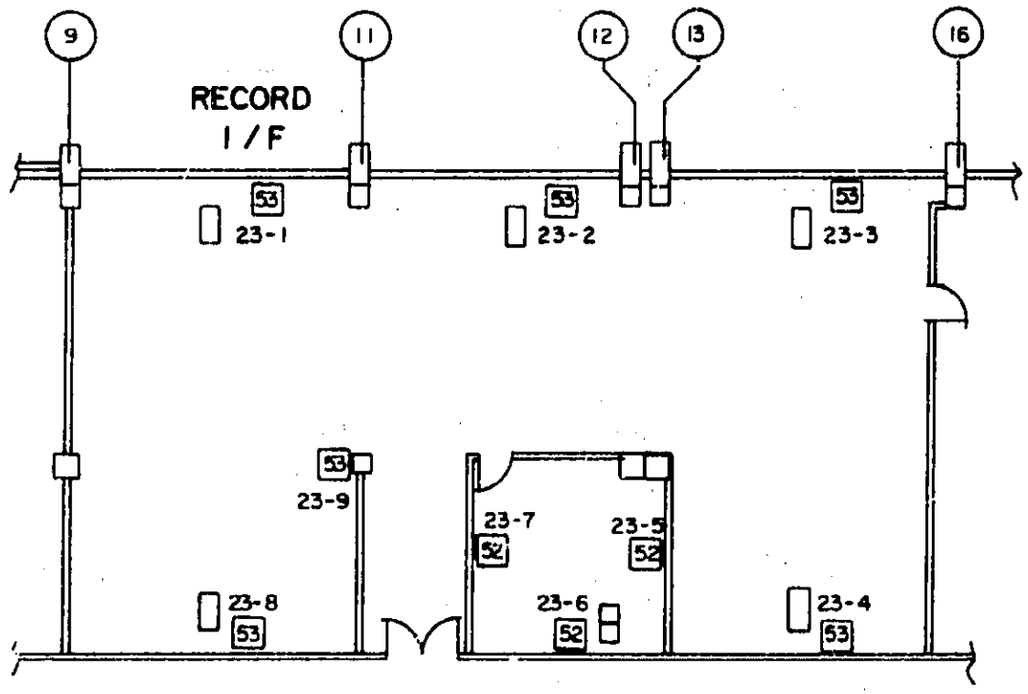
UDS FORM S C/C
JULY 70

1. CLASSIFICATION

1. CLASSIFICATION _____

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. C-1-20
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION O&C BLDG., USER ROOM C (4239 - 4245)				

C - 1 - 20



UDS FORM S C/C
JULY '70

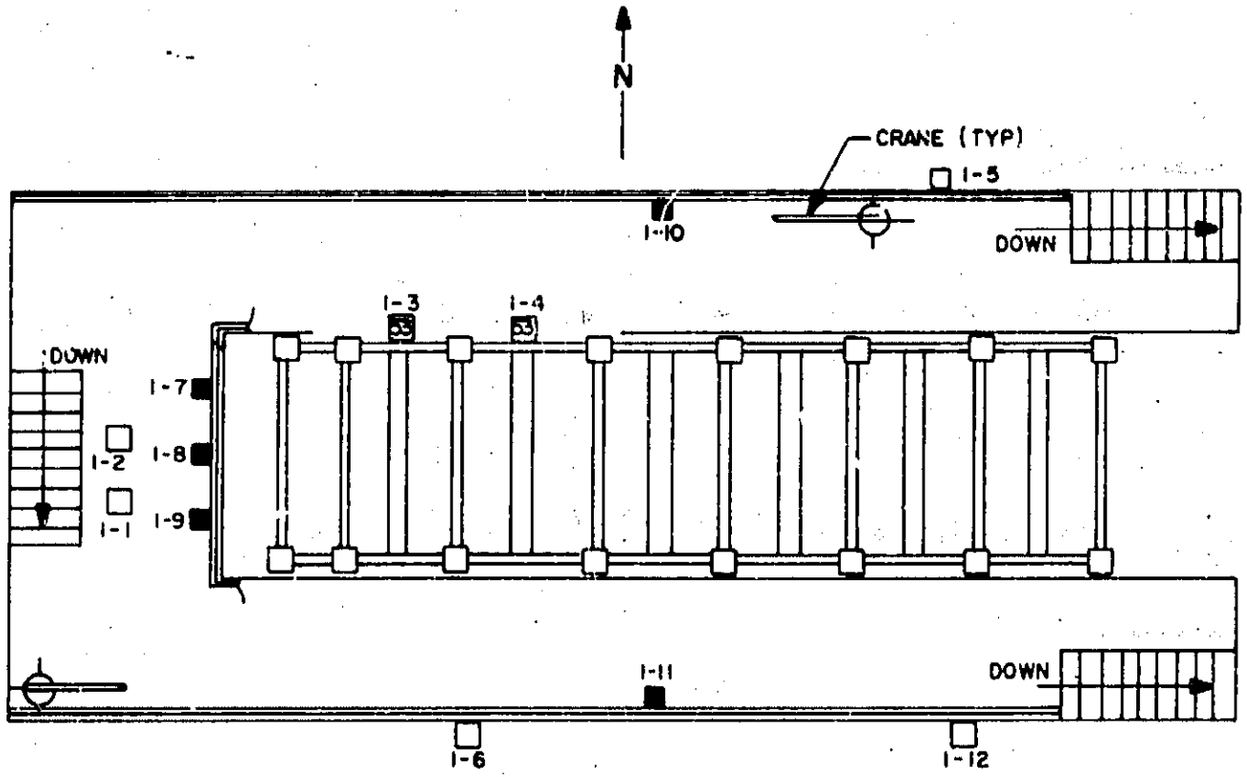
1. CLASSIFICATION _____

4/12

1. CLASSIFICATION _____

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. C-1-21
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION O&C BLDG., CITE TEST STAND				

C-1-21



■ - Upper Level

□ - Lower Level

UDS FORM S C/C
JULY 70

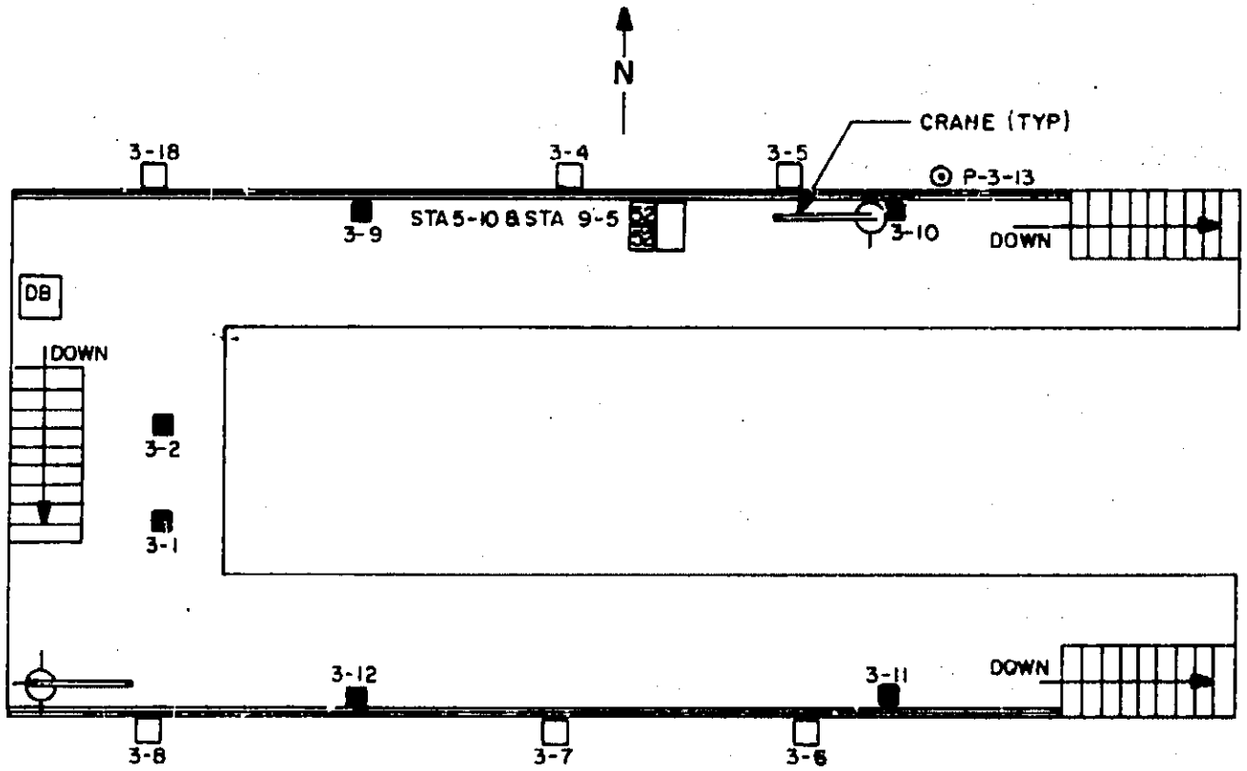
4/3

1. CLASSIFICATION _____

1. CLASSIFICATION _____

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. C-1-22
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO 11
10. LOCATION O&C BLDG., SPACELAB TEST STAND 2				

C-1-22



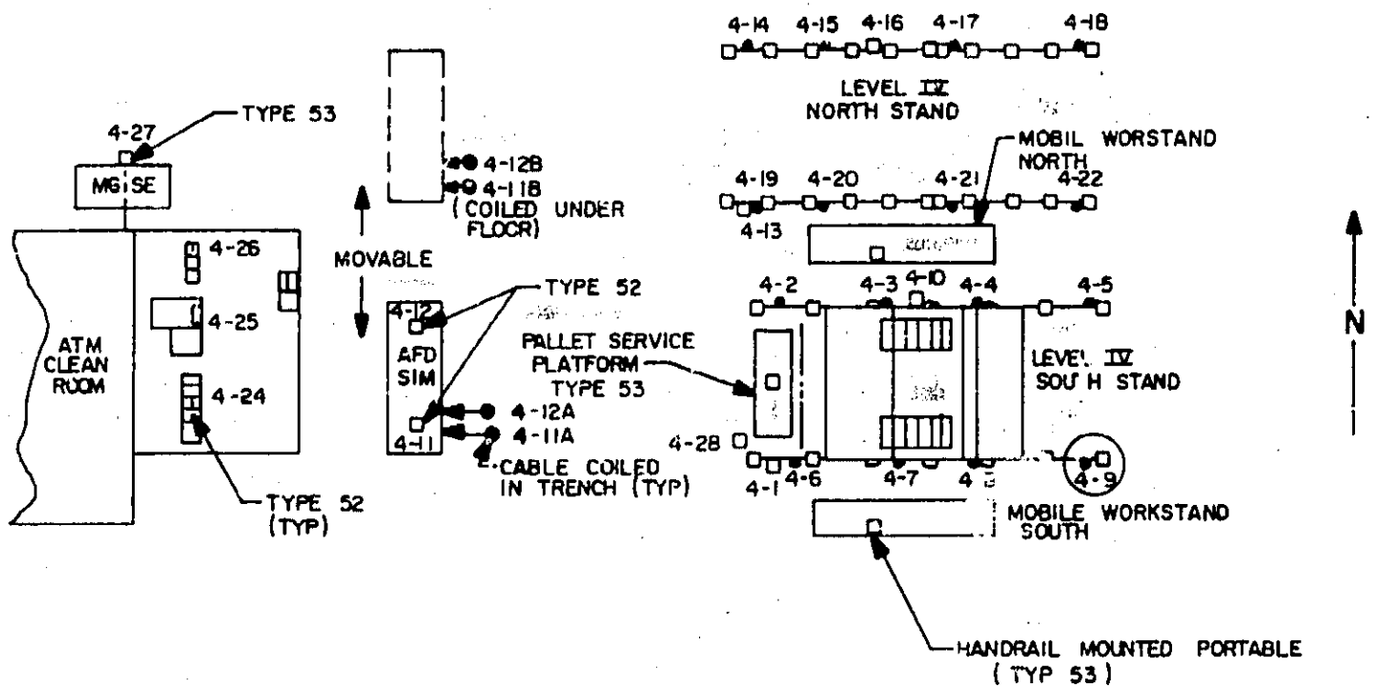
■ - Upper Level

□ - Lower Level

1. CLASSIFICATION _____

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. C-1-24
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION O&C BLDG., LEVEL IV INTEGRATION AREA				

C-1-24



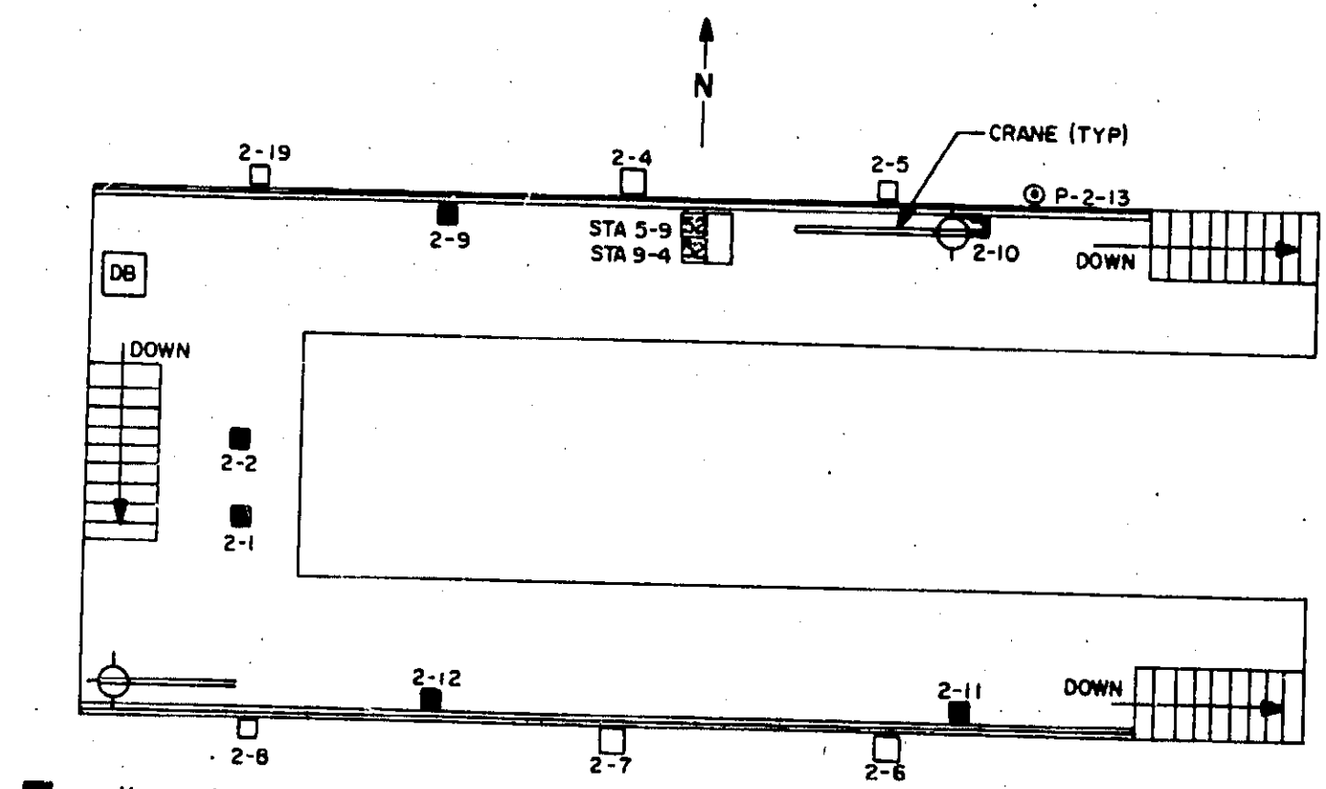
UDS FORM 8 C/C
JULY 70

1. CLASSIFICATION _____

1. CLASSIFICATION

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. C-1-23
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	4. DATE 12/1/81
10. LOCATION O&C BLDG., SPACELAB TEST STAND 3				7. REVISION NO. 11

C - 1 - 23



■ - Upper Level

□ - Lower Level

UDS FORM 8 C/C
JULY 70

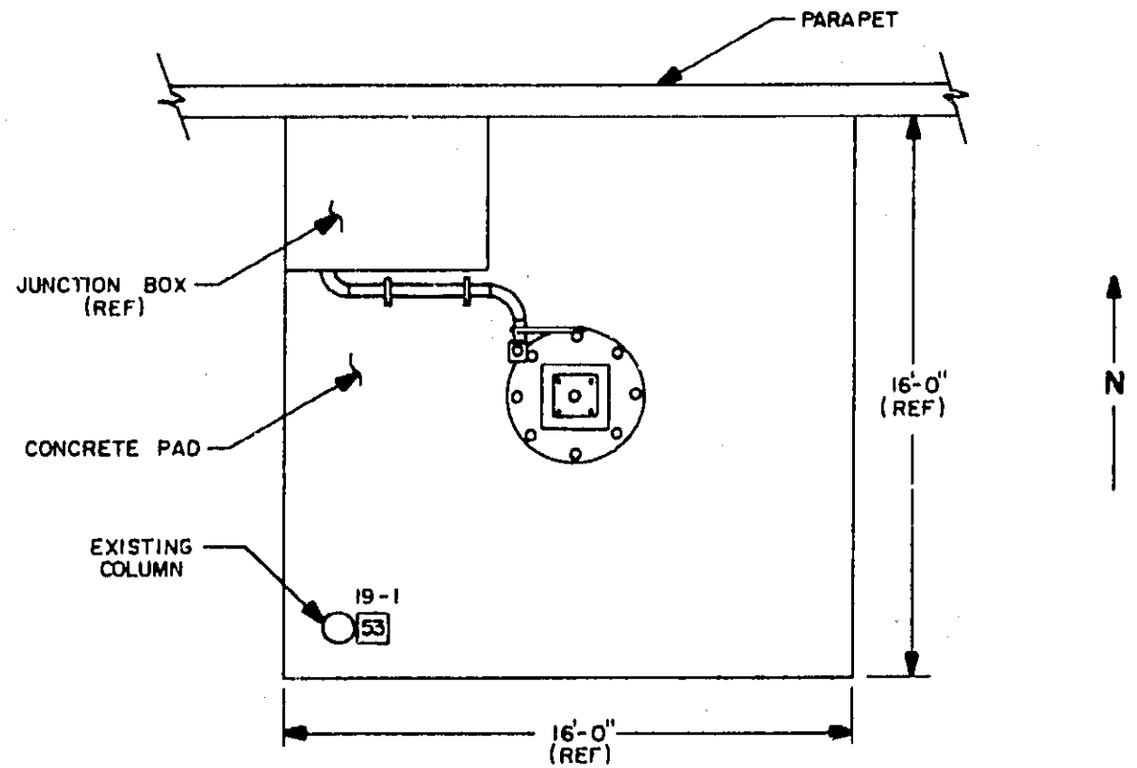
1. CLASSIFICATION

4/16

1. CLASSIFICATION

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. C-1-25
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION O&C BLDG., BLDG. ROOF (CITE) ANTENNA PLATFORM				

C-1-25



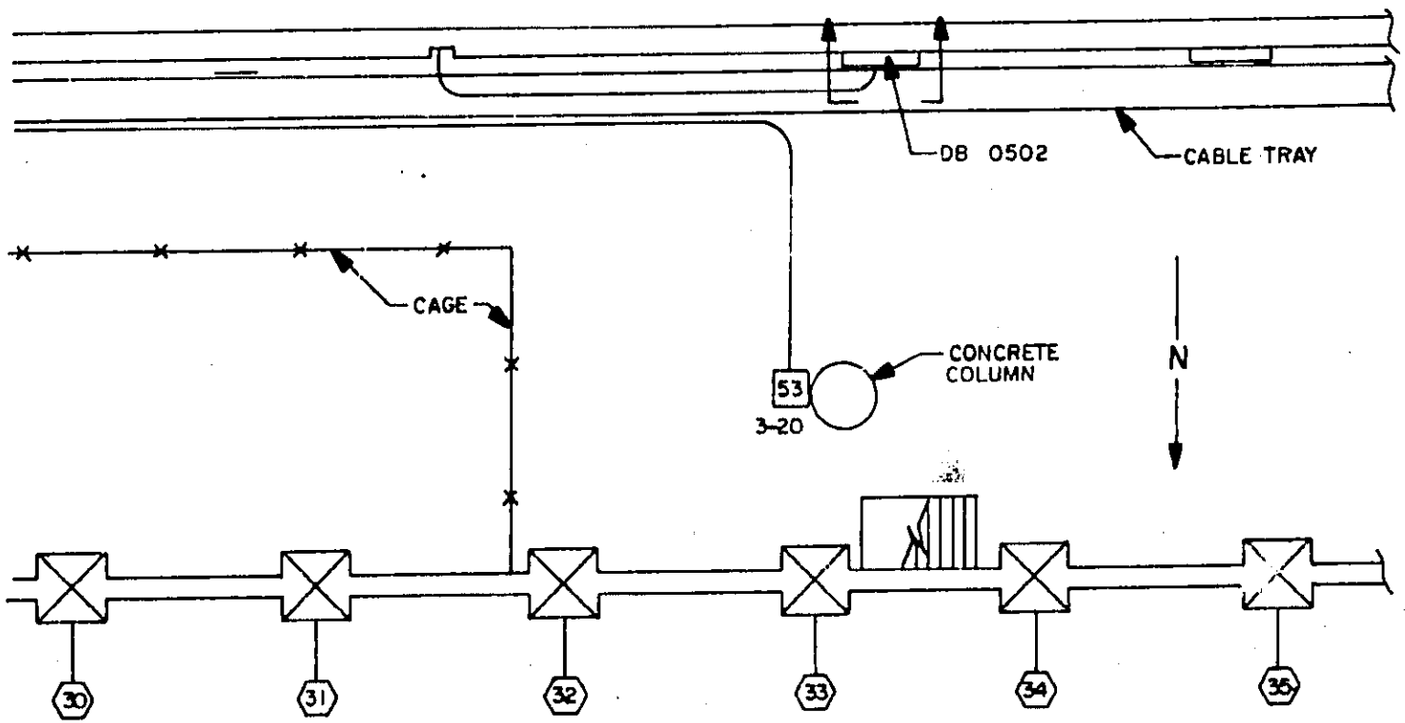
UDS FORM S C/C
JULY 70

1. CLASSIFICATION

1. CLASSIFICATION

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. C-1-26
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION O&C BLDG., S/L TEST STAND 2 A&T PIT AREA				

C - i - 26



UCS FORM S C/C
JULY 70

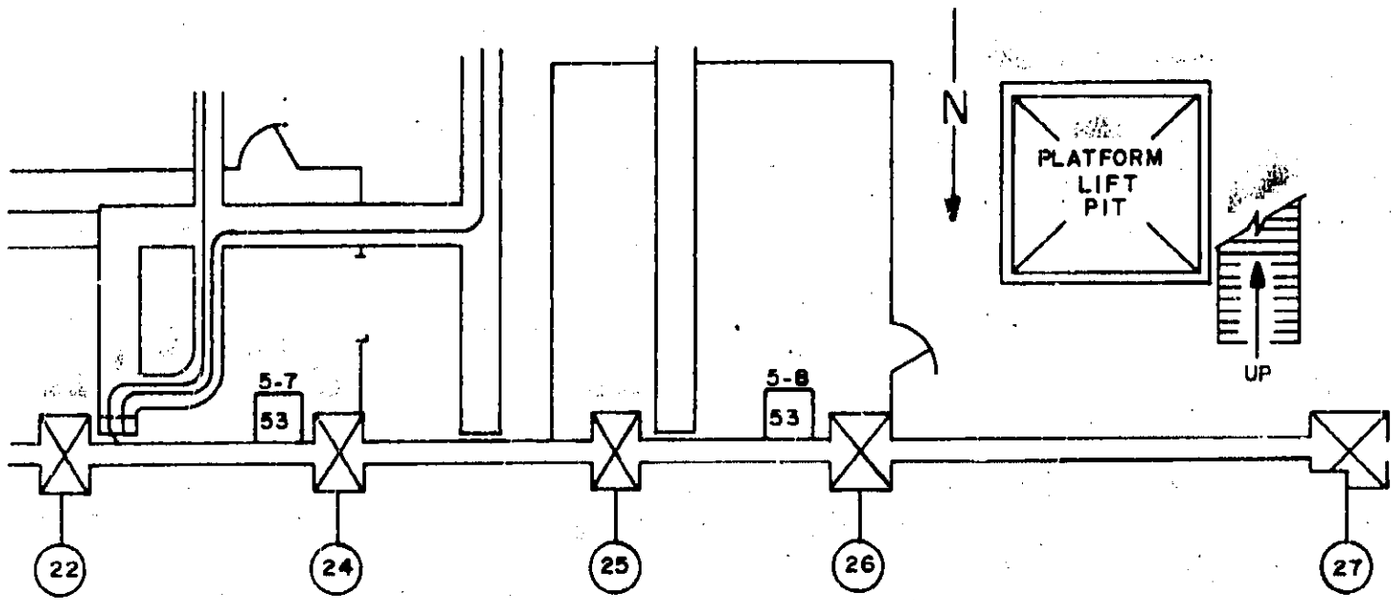
4/18

1. CLASSIFICATION

1. CLASSIFICATION

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. C-1-27
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION O&C BLDG., A&T PIT AREA EM STAND & ROCK STAND				

C-1-27



UDS FORM S C/C
JULY 70

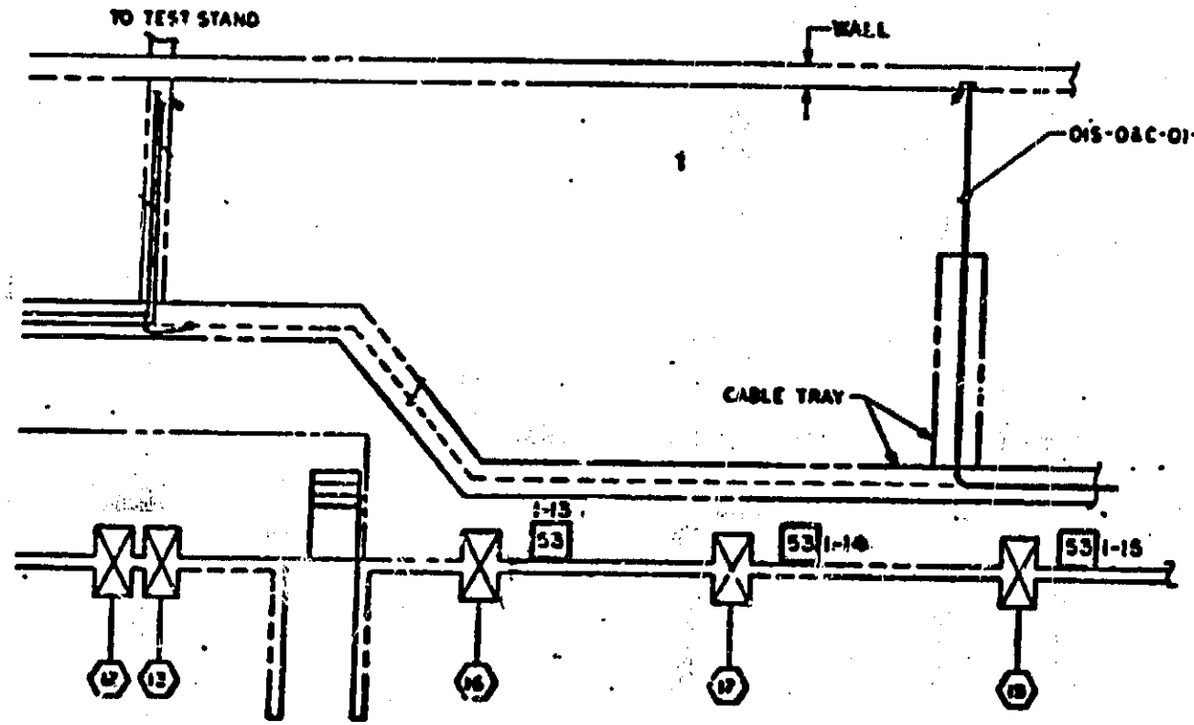
1. CLASSIFICATION

4/19

1. CLASSIFICATION _____

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. C-1-28
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION *A and T PIT AREA*				

11.



UDS FORM S C/C
JULY 70

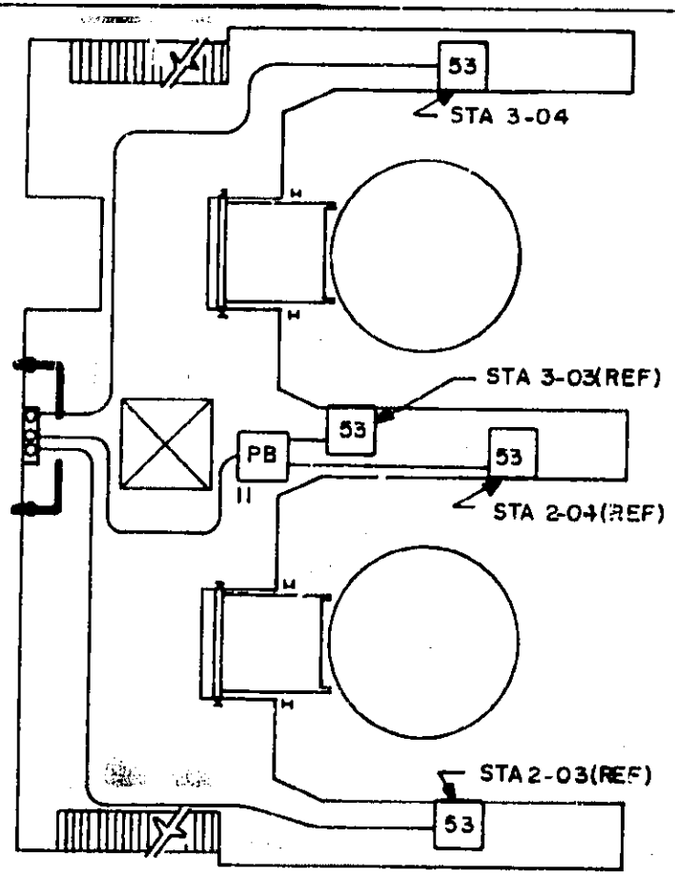
1. CLASSIFICATION _____

4/20

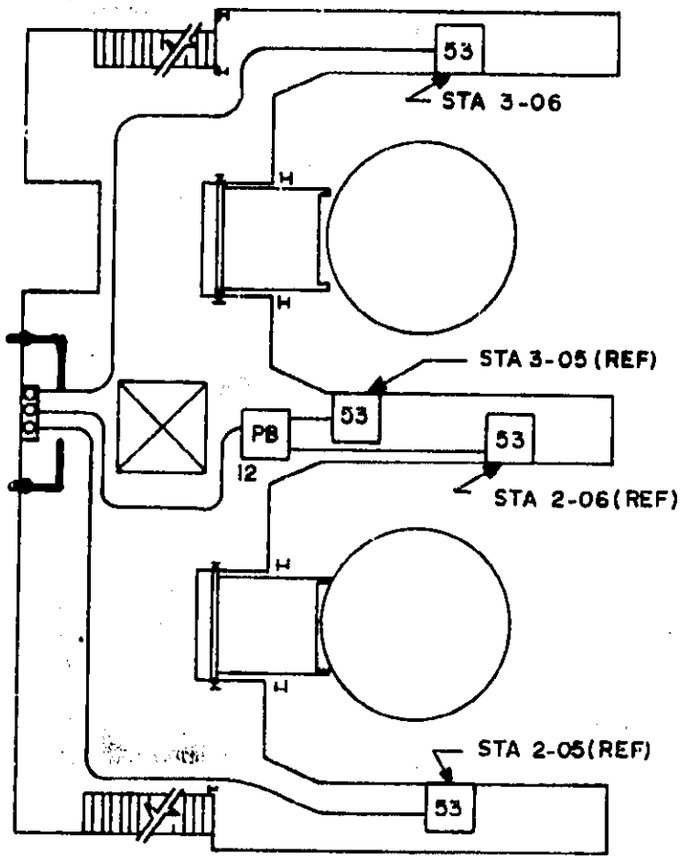
1. CLASSIFICATION

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. C-1-29
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION VPF				

C-1-29



15'-0"LEVEL



25'-0"LEVEL

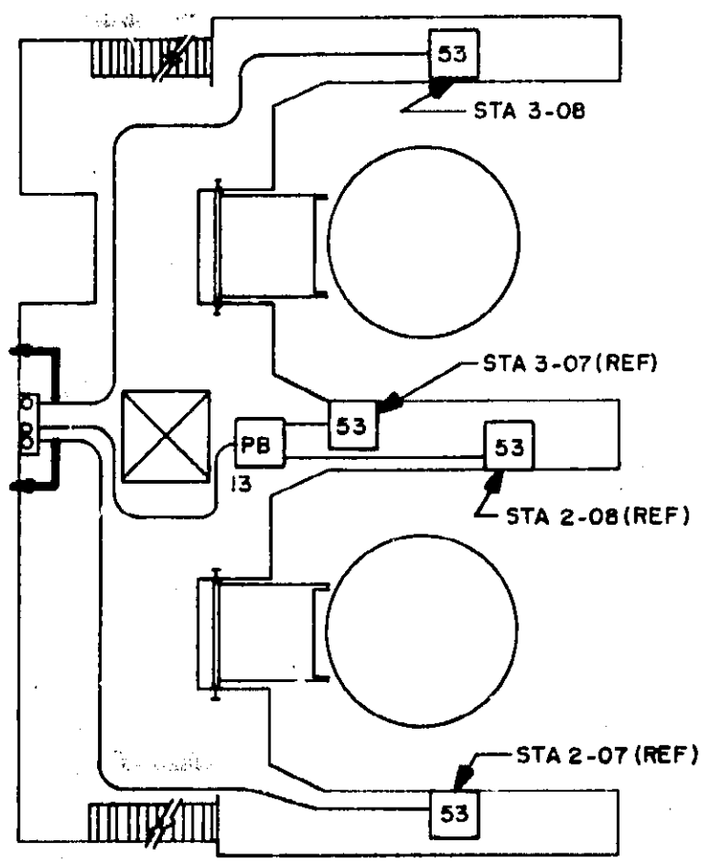
UDS FORM S G/C
JULY 70

1. CLASSIFICATION

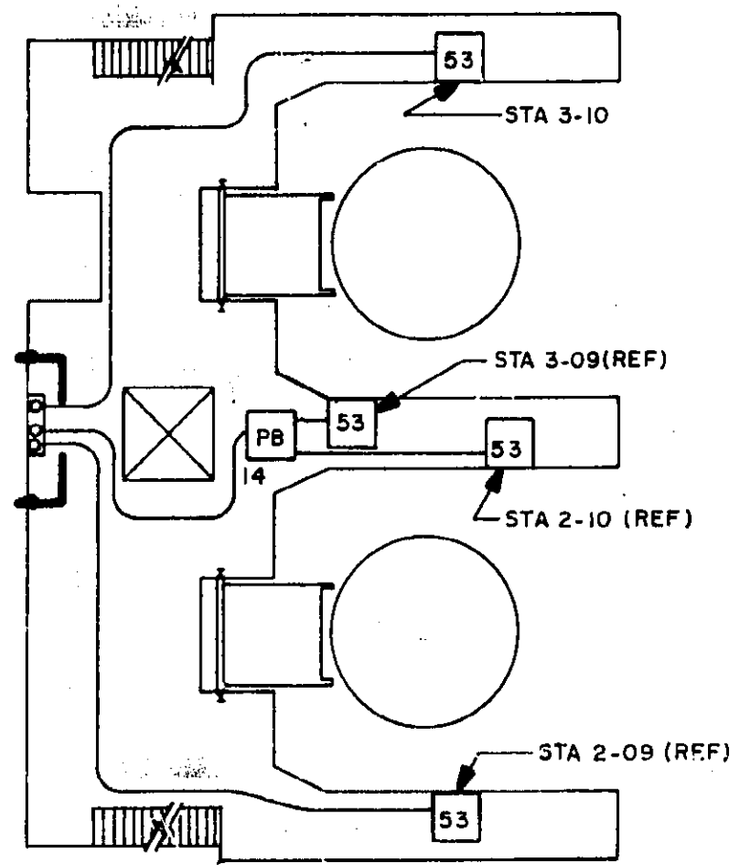
1. CLASSIFICATION

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. C-1-30
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION VPF				

C-1-30



35'-0" LEVEL



45'-0" LEVEL

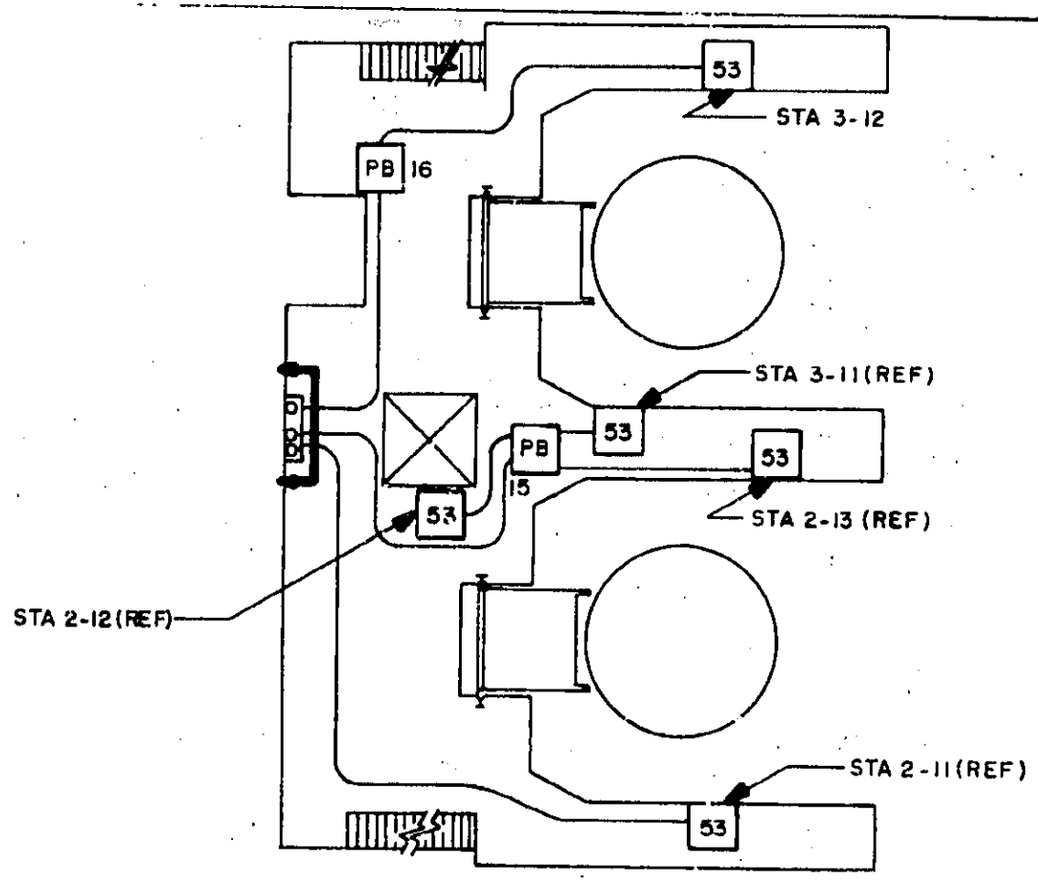
UDS FORM 8 G/C
JULY 70

1. CLASSIFICATION

1. CLASSIFICATION _____

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. C-1-31
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION VPF				

C-1-31



55'-0" LEVEL

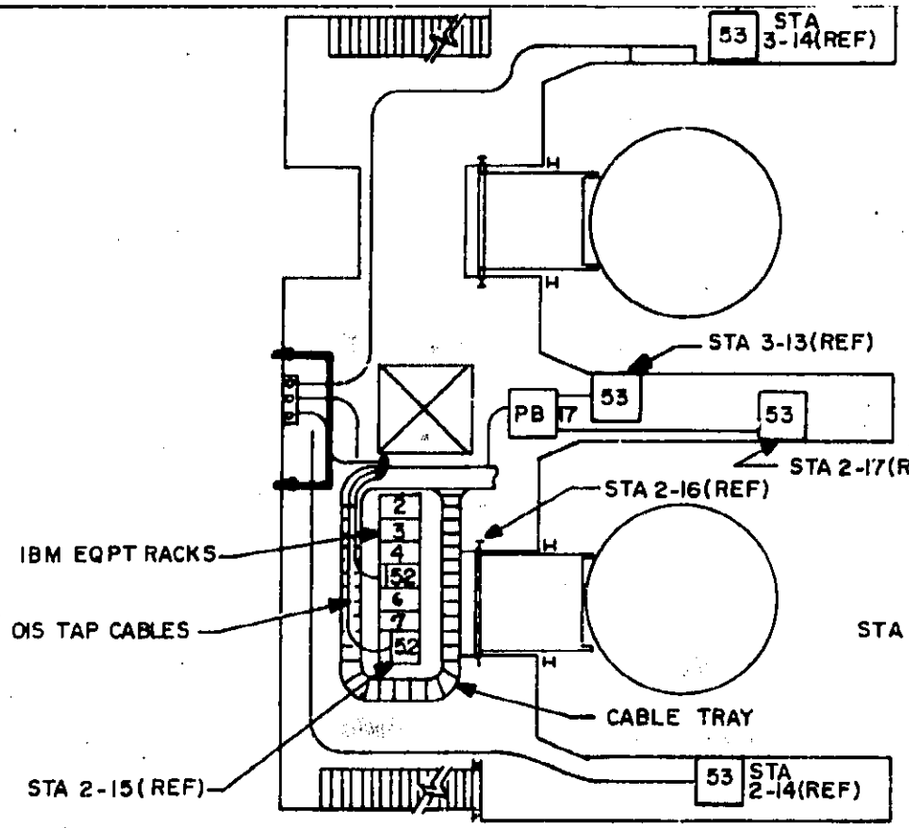
UDS FORM 8 G/C
JULY 70

1. CLASSIFICATION _____

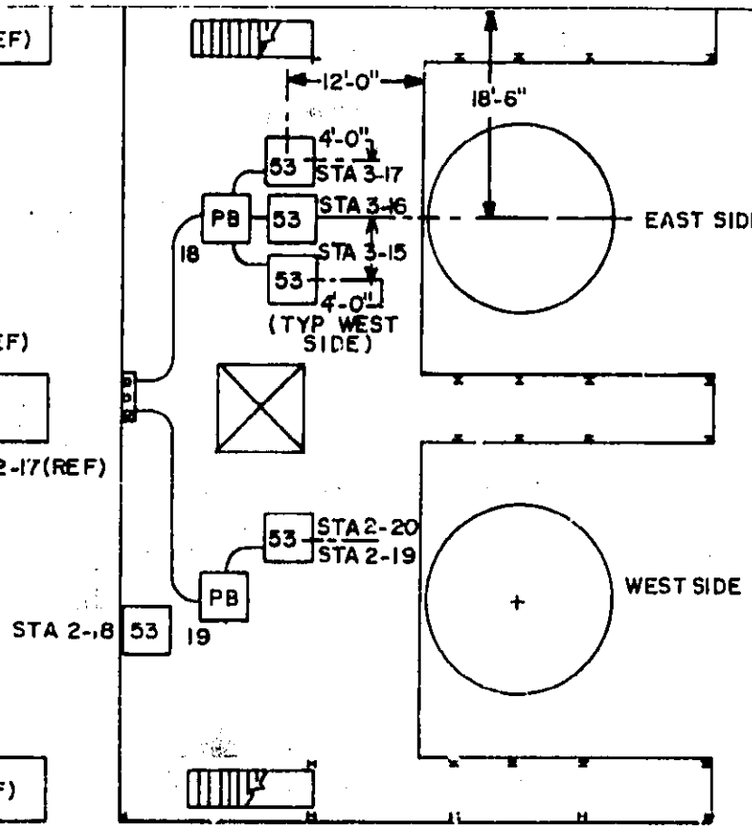
1. CLASSIFICATION

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. C-1-32
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION VPF				

C-1-32



65'-0" ELEVATION



75'-0" ELEVATION

UDS FORM S C/C
JULY 70

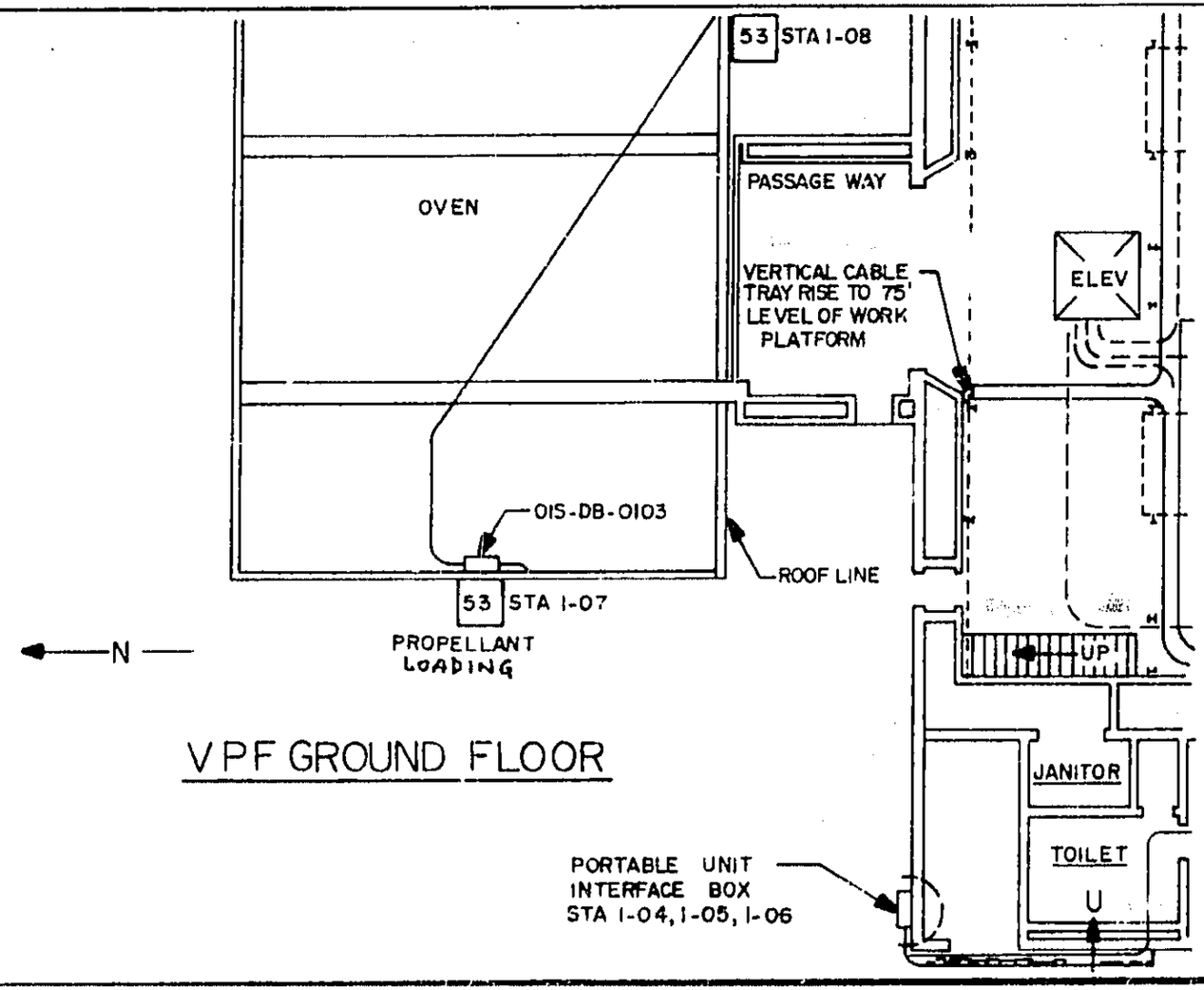
1. CLASSIFICATION

1/21

1. CLASSIFICATION _____

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. C-1-33
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION VPF				

C-1-33



VPF GROUND FLOOR

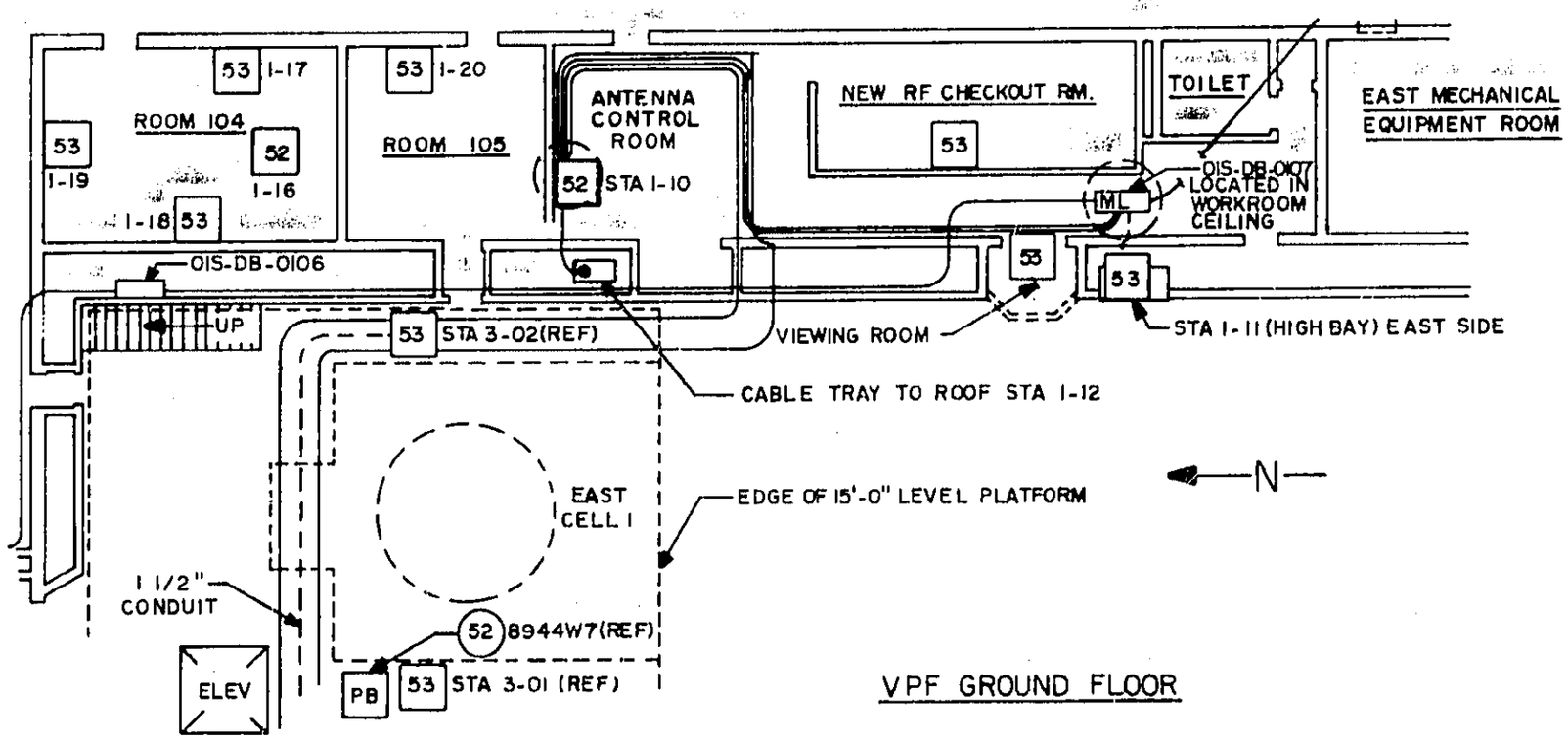
UDS FORM S C/C
JULY 70

1. CLASSIFICATION _____

1. CLASSIFICATION

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. C-1-34 4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION VPF				

C-1-34



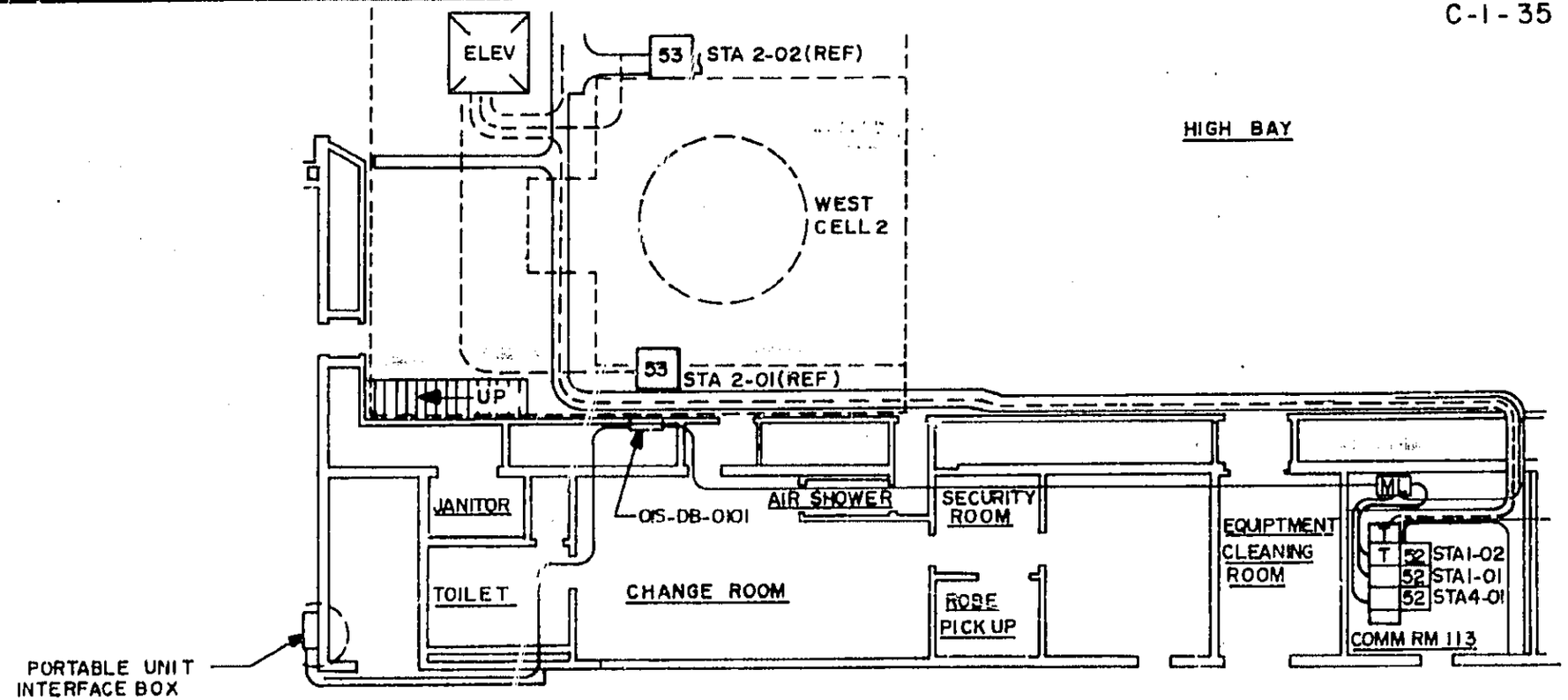
UDS FORM S C/C
JULY 70

1. CLASSIFICATION

1. CLASSIFICATION _____

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. C-1-35
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION VPF				

C-1-35



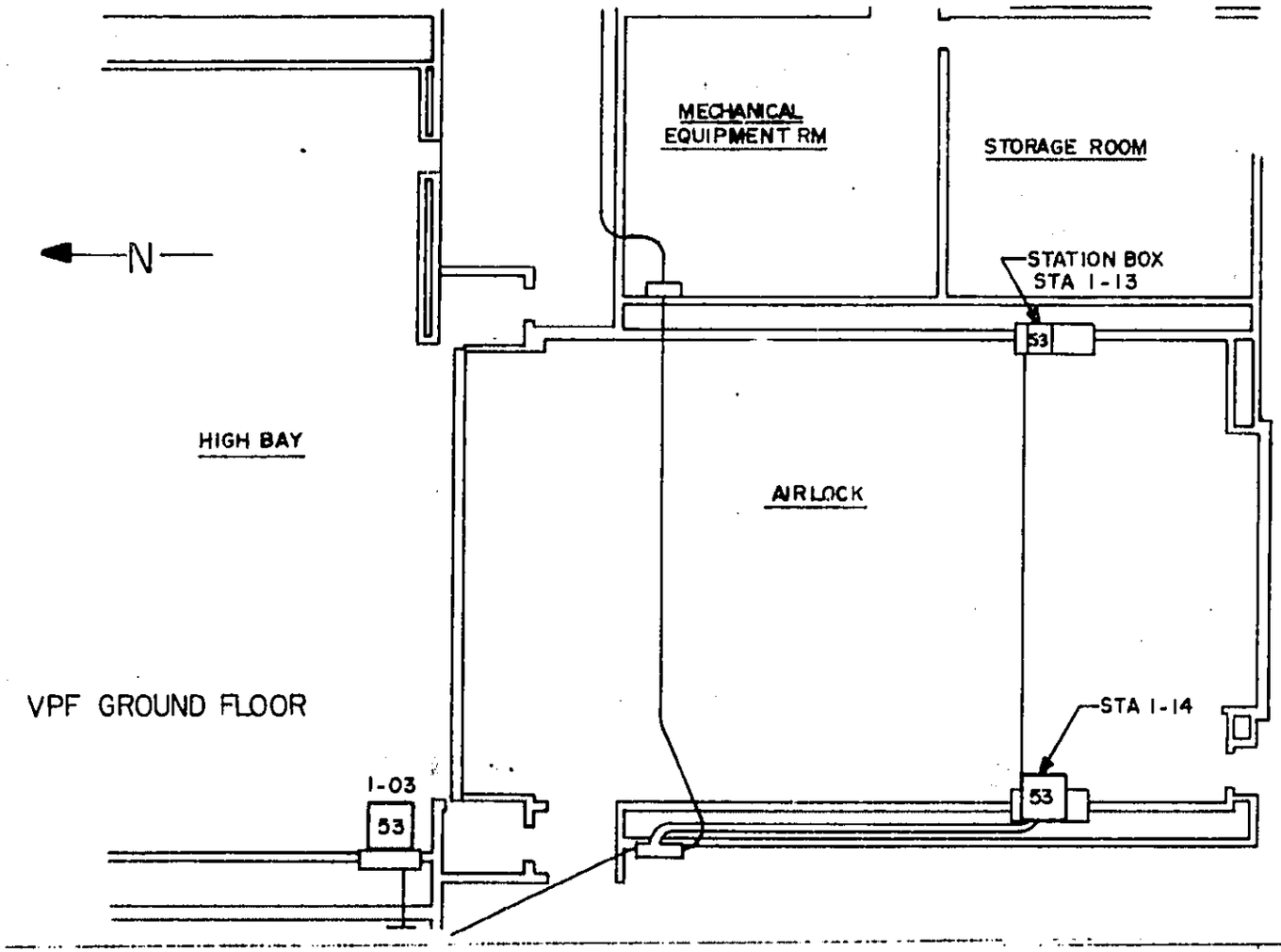
UDS FORM S G/C
JULY 70

1. CLASSIFICATION _____

1. CLASSIFICATION

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. C-1-36
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION VPF				

C-1-36

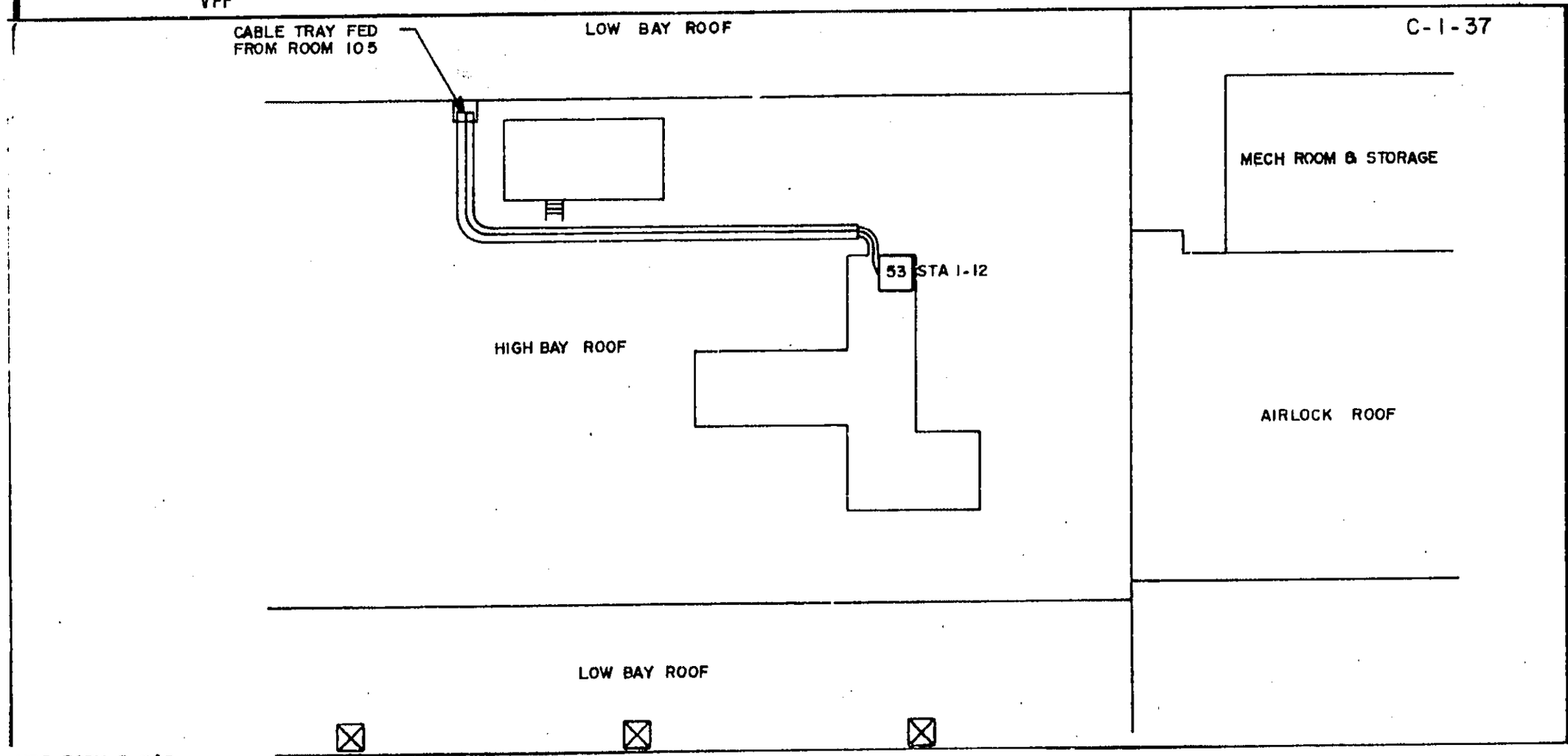


UDS FORM S C/C
JULY 70

1. CLASSIFICATION

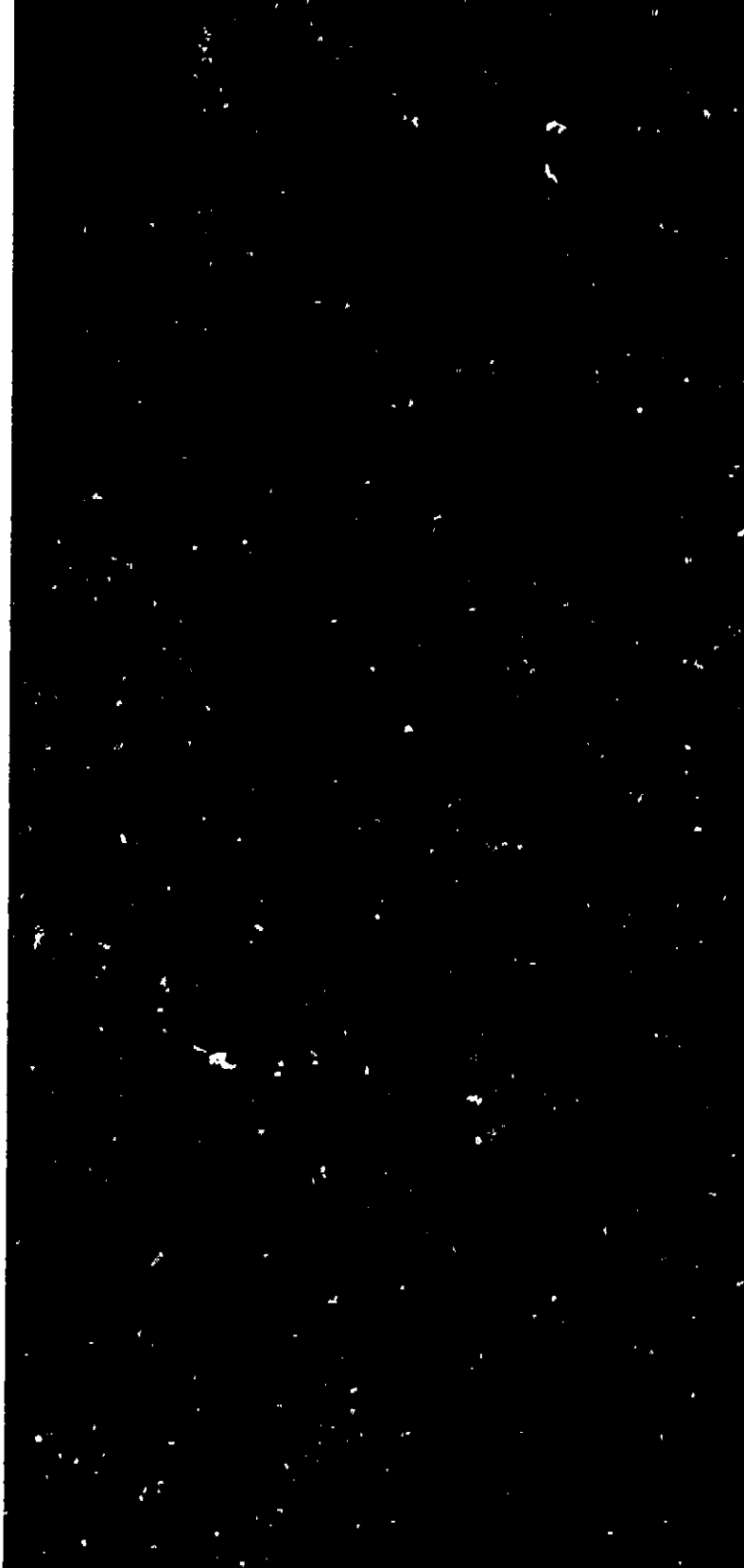
1. CLASSIFICATION

(PAGE TITLE) OIS END INSTRUMENTS INSTRUMENT LOCATION			2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. C-1-37
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION VPF				



UDS FORM S C/C
JULY 70

1. CLASSIFICATION



1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-1 TOPS (CCAFS)		2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. C-1-38
			4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION PPF AE			

8. ITEM NO.	11.

Nominal Location	TOPS Units
Room 109A	26
Room 113	2
Room 109	3
Room 125	24
Room 101	2
Room 135	35
Room 135B	18-Portable, 3 fixed
Room 102H	1
Room 102G	1
Room 102F	1
Room 104	1
Room 104A	1
Room 129	2
Room 131	4-Portables
Room 120	1
Room 130	5
Ant. Towers	2

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-1 TOPS (CCAFS)		2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. C-1-39
			4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION PPF AO			

8. ITEM NO.

11.

Nominal Location	TOPS Units	Nominal Location	TOPS Units
Room 102	6	Room 131	1
Room 106/105	48-Portables	Room 132	1
Room 120	1	Room 135	1
Room 121	1	Room 138	1
Room 109	1	Room 141	1
Room 114	1	Room 142	1
Room 104	2	Power Shelter	1
Room 204	1		
Room 200	1		
Room 201	1		
Room 205	1		
Room 209	1		
Room 210B	1		
Room 212C	1		
Room 218	1		
Room 219	1		
Room 220	1		
Room 223	1		
Room 225	1		
Room 228	1		
Room 217	1		
Room 213C	1		
Room 210C	1		
Room 207	1		
Room 208	1		
Room 129	1		
Room 130	1		

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-1 TOPS (CCAFS)		2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. C-1-40 4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION PPF AM			

8. ITEM NO.	11.

Nominal Location	TOPS Units
Room 115	1
Room 118	1
Room 104	1
Room 102	1
Room 101	1
Room 123	1
Room 122	1
Room 100	18-Portables
Room 206	1

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-1 TOPS (CCAFS)		2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. C-1-41 4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION PPF S			

8. ITEM NO.

11.

Nominal Location	TOPS Units
Room 201A	1
Room 201B	1
Room 204A	1
Room 204B	1
Room 2A	1
Room 3B	1
Room 4	1
Room 5	1
Room 16	6
Room 16A	3
Room 15D	1
Room 22	10
Room 11	4
Room 12	1

UDS FORM S G/B
JULY 70

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-1 TOPS (CCAFS)		2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. C-1-42 4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION ESA 60			

8. ITEM NO.	11.

Nominal Location	TOPS Units
Bldg. 59922	2
Bldg. 54446	6
Propellent Trailer	2
Bldg. 54445	7

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UDS FORM S G/B
JULY 70

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-1 TOPS (CCAFS)		2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. C-1-43
			4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION Bldg. E&O			

8. ITEM NO.	11.

Nominal Location	TOPS Units
Room 137	1
Room 200	1
Room 213	1
Room 217	1
Room 229	1
Room 235	1
Room 238	1
Room 242	1

135

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-1 TOPS (CCAFS)		2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. C-1-44 4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION DELTA SPIN TEST FACILITY			

8. ITEM NO.	11.

Nominal Location	TOPS Units
Trailer 150	1
Room 109	1
Room 101	1
Room 102	1
Spin Jig	1
Outside South Wall	1

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-2			2. REPLACES PAGE (S) C-2-1 DATED 2-7-79	3. PAGE NO. C-2-1 R 4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION				

11. POINT-TO-POINT

No Point-To-Point Requirements (For Use By Cargo/Payloads) have been identified/authorized as of June, 1980.

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: GROUND COMMUNICATIONS - DETAIL - POINT-TO-POINT	2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. C-2-1,1
		4. DATE 6-1-81
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. USE		11. TYPE OF SERVICE	12. QTY	13. LOCATION OF OPERATING TERMINALS						14. PURPOSE AND REMARKS	
						FROM			TO				
		A. ADMIN	C. OPS			A. STA	B. BLDG	C. ROOM	A. STA	B. BLDG	C. ROOM		
				Green Phone-5GP0564		CCAFS	AE	MDC	CCAFS	RCC	SRO	Mission Dir to SRO	
				Green Phone-5GP0570		CCAFS	AE	MDC	CCAFS	RCC		Mission Dir to Proj Rep	
				Green Phone-2GP0531/5GP565		CCAFS	AE	MDC	CCAFS	AO		Mission Dir to SC Test Cond	
				Green Phone-TBD		CCAFS	AE	MDC	CCAFS	AM		Mission Dir to SC Test Cond	
				Green Phone-Internal		CCAFS	AE	MDC	CCAFS	AE		Mission Dir to SC Test Cond	
				Green Phone-5GP0582/0705		CCAFS	AE	MDC	CCAFS	S		Mission Dir to SC Test Cond	
				Green Phone-TBD		CCAFS	S		KSC	VPF		SC TC TO P/L	*
				Green Phone-TBD		CCAFS	AE		KSC	VPF		SC TC TO P/L	*
				Green Phone-TBD		CCAFS	AM		KSC	VPF		SC TC TO P/L	*
				Green Phone-TBD		CCAFS	AO		KSC	VPF		SC TC TO P/L	*
				Green Phone-TBD		CCAFS	S		KSC	LCC		SC TC TO P/L	*
				Green Phone-TBD		CCAFS	AE		KSC	LCC		SC TC TO P/L	*
				Green Phone-TBD		CCAFS	AM		KSC	LCC		SC TC TO P/L	*
				Green Phone-TBD		CCAFS	AO		KSC	LCC		SC TC TO P/L	*
				Green Phone-TBD		CCAFS	S		KSC	RSS		SC TC TO P/L	*
				Green Phone-TBD		CCAFS	AE		KSC	RSS		SC TC TO P/L	*

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UDS FORM R 227
JULY 70

* NEW REQUIREMENTS

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: GROUND COMMUNICATIONS - DETAIL - POINT-TO-POINT	2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. C-2-2
		4. DATE 6-1-81
	6. PROGRAM	7. REV. NO. 10
5. PROGRAM TITLE: FEDP-81		

8. ITEM NO.	9. TEST CODE	10. USE A. ADMIN	10. USE C. OPS	11. TYPE OF SERVICE	12. QTY	13. LOCATION OF OPERATING TERMINALS FROM A. STA	FROM B. BLDG	FROM C. ROOM	TO A. STA	TO B. BLDG	TO C. ROOM	14. PURPOSE AND REMARKS	
				Green Phone-TBD		CCAFS	AM		KSC	RSS		SC TC TO P/L	*
				Green Phone-TBD		CCAFS	AO		KSC	RSS		SC TC TO P/L	*
				Green Phone-		CCAFS	RCC		KSC	GMIL		SC Proj REP to MIL 71	
				Point-to-Point 2BPM109		KSC	GMIL		KSC	CDSC		Tech Control	
				Point-to-Point 2BPM185		KSC	GMIL		KSC	CDSC		Comm Control	
				Point-to-Point 2BPC272		KSC	CDSC		CCAFS	AE		OTV Control	
				Point-to-Point 2BPC431		KSC	CDSC		CCAFS	AE		Tech Control	
				Green Phone-5GP0907		CCAFS	RCC		CCAFS	RTCF		SOPM COORD	
				Green Phone-5GP0586		CCAFS	AO		CCAFS	AE		TDS COORD	
				Green Phone-5GP0587		CCAFS	AO		CCAFS	AE		Mission OPS	
				Green Phone-5GP0589		CCAFS	AO		KSC	GMIL		MIL 71 COORD	
				Green Phone-5GP0590/0901		CCAFS	AO		CCAFS	RTCF		SOPM COORD	
				Green Phone-5GP0592		CCAFS	AO		CCAFS	RCC	SRO	ETR COORD	
				Green Phone-5GP0564/0352		CCAFS	AE		KSC	LCC		Mission DIR TO S/C OPER	
				Green Phone-5GP0591		CCAFS	AO		CCAFS	RCC		JPL COORD	
				Green Phone-5GP0566/2GP0538		CCAFS	AO		CCAFS	AES		S/C QC	

* NEW REQUIREMENTS

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UDS FORM R 227
JULY 70

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: GROUND COMMUNICATIONS - DETAIL - POINT-TO-POINT	2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. C-2-3
		4. DATE 6-1-81
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. USE A. ADMIN	10. USE C. OPS	11. TYPE OF SERVICE	12. QTY	13. LOCATION OF OPERATING TERMINALS FROM A. STA	FROM B. BLDG	FROM C. ROOM	TO A. STA	TO B. BLDG	TO C. ROOM	14. PURPOSE AND REMARKS	
				POINT TO POINT		CCAFS	VIB	LCC	KSC	LCC	3P1 CONS AB-8	IUS/PL	*
				POINT TO POINT		CCAFS	VIB	LCC	KSC	LCC	3P1 CONS AB-8	SC/PL	*
				POINT TO POINT		CCAFS	VIB	LCC	KSC	LCC	3P1 CONS AB-8	TEST GROUP COMMANDER	*

4/4/0

UDS FORM R 227
JULY 70

* NEW REQUIREMENTS

1. CLASSIFICATION

(PAGE TITLE) SECTION C-3 SPECIAL AUDIO RF-OIS LC-39		2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. C-3-2
			4. DATE 6/1/81
5. PROGRAM TITLE FEOP 81	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 10

8. ITEM NO.	10. TYPE INST	NET TITLE OR NUMBER	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
			RF-OIS	LC-39 Ch. 217	LC-39 Ch. 218	LC-39 Ch. 134	LC-39 Ch. 164	LC-39 Ch. 174	LC-39 Ch. 131	LC-39 Ch. 144	LC-39 Ch. 133	LC-39 Ch. 233	LC-39 Ch. 234	LC-39 Ch. 244	LC-39 Ch. 184	LC-39 Ch. 215											
		36. STATION OR LOCATION																									
		ODU COS (VIB)	J	M	X	X	M	X	X					X	X												
		NASA PPFS ON CCAFS			X				X	X	X	X	X														

7 REFERENCE NOTES

X - TRANSMIT/ RECEIVE

M - MONITOR ONLY

* NEW REQUIREMENTS

1. CLASSIFICATION

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-3			2. REPLACES PAGE (S) C-3-1 DATED 8-1-80	3. PAGE NO. C-3-1 R 4. DATE 6-1-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION				

11. SPECIAL AUDIO

A total of eight (8) Multi-Monitor Units will be provided for use by Cargo/Payloads. Locations of these Units are:

2 ea. in Room 3233 (CITE Control Room)
2 ea. in Room 3237 (Cite Control Room)
2 ea. in Room 3247 (Spacelab Control Room)
2 ea. in Room 3251 (Spacelab Control Room)

Each Unit provides access to 112 Channels of RF-OIS Communications (either LC 39 or Industrial Area Mission). The Audio Terminations allow multiple monitor capability and rapid access for the circuit appearing on the buttons. Channelization of these buttons will be in accordance with approved/authorized requirements extracted from the Launch and Landing, Flight or Kennedy Program Requirements Documents.

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1. CLASSIFICATION _____

(PAGE TITLE) SECTION C-3 SPECIAL AUDIO RF-OIS INDUSTRIAL AREA	2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. C-3-3
		4. DATE 6/1/81
5. PROGRAM TITLE FEDP 81	6. PROGRAM NO.	7. REVISION NO. 10
9. TEST CODE		

8. ITEM NO.	10. TYPE INST	NET TITLE OR NUMBER	11 RF-OIS	12 IND AREA Ch. 248	13 IND AREA Ch. 253	14 IND AREA Ch. 254	15 IND AREA Ch. 261	16 IND AREA Ch. 171	17 IND AREA Ch. 174	18 IND AREA Ch. 181	19 IND AREA Ch. 234	20 IND AREA Ch. 251	21 IND AREA Ch. 256	22 IND AREA Ch. 173	23 IND AREA Ch. 233	24 IND AREA Ch. 176	25 IND AREA Ch. 231	26 IND AREA Ch. 236	27 IND AREA Ch. 241	28	29	30	31	32	33	34	35
		36. STATION OR LOCATION																								
		DOD COS (VIB)		X	X	X	X																				
		NASA PPFs ON CCAFS			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X								

37 REFERENCE NOTES

X - TRANSMIT/ RECEIVE

M - MONITOR ONLY

UDS FORM R 229
JULY 70

1. CLASSIFICATION _____

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-4			2. REPLACES PAGE (S) DATED	3. PAGE NO. C-4-1 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION				

11. RF COMMUNICATIONS

UDS FORM S G/C
JULY 70

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-4 RF COMMUNICATIONS			2. REPLACES PAGE (S) C-4-2 DATED	3. PAGE NO. C-4-2 4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION				

11. Radio Net - O&C Crane OPS

EXISTING RADIO NET - O&C OPS NETS A, B, C, D & E

# Of Single Frequency Portables	0	
# Of Single Frequency Mobiles	0	
# Of Two Frequency Portables (A/B, A/C, B/C)		16
# Of Two Frequency Mobiles	0	
# Of Base Stations	0	
# Of Base Units	0	
Location of Remote Units	N/A	
# Of Console Terminations	0	
Location of Console Terminations	N/A	

R

UDS FORM S G/C
JULY 70

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-4 GROUND COMMUNICATIONS - VOICE RADIO			2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. C-4-2.1 4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 11 R
10. LOCATION				

11.

INDUSTRIAL AREA UHF RADIO POOL (PORTABLE UNITS)

RADIO NET - TBD

FREQUENCIES: CHANNEL 1 412.825 MHZ
CHANNEL 2 412.950 MHZ
CHANNEL 3 413.025 MHZ
CHANNEL 4 413.150 MHZ
CHANNEL 5 413.250 MHZ
CHANNEL 6 413.375 MHZ
CHANNEL 7 413.525 MHZ
CHANNEL 8 413.550 MHZ

OF SIX FREQ PORTABLES - 20
OF EIGHT FREQ PORTABLES - 13
TOTAL 33

OF RECORDING RECEIVERS - 8

FREQ OF RECORDING RECEIVERS - CHANNELS 1 THRU 8
LOCATIONS OF RECORDING RECEIVERS O&C BLDG.

NOTE (1) CHANNELS 2 AND 6 ARE ASSIGNED TO SRB RETRIEVAL OPERATIONS.
CHANNELS 1, 4, AND 8 ARE ASSIGNED TO CRANE OPERATIONS.

(2) *TWENTY FOUR ADDITIONAL PORTABLE UHF RADIOS HAVE BEEN ISSUED TO SHIPS ON SEMI-PERMANENT ASSIGNMENT FOR SRB RETRIEVAL OPERATIONS.

(3)

OPERATIONAL FUNCTION	USER	INDIVIDUAL PORTABLE RADIO REQUIREMENT
PAYLOADS	BSI	7
CANISTER OBSERVERS	MMC	13
CRANES	BSI	12
*RETRIEVAL SHIPS	USBI	24

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-4 RF COMMUNICATIONS			2. REPLACES PAGE (S) DATED	3. PAGE NO. C-4-3 4. DATE 6-26-79
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 6
10. LOCATION				

11. I DEFINITION OF FREQUENCY DESIGNATIONS

1.	L-Band	500 to 1549 MHZ
2.	S/1600	1550 to 1650 MHZ
3.	S/1700	1651 to 1999 MHZ
4.	S-Band	2000 to 2300 MHZ
5.	C-Band	3700 to 6500 MHZ
6.	X-Band	8000 to 10,899 MHZ
7.	Ku-Band	10.9 to 17.15 GHZ

R

II All antennas will be manually realigned unless a rotor is specifically noted.

4/4/7

UDS FORM S G/C
JULY 70

1. CLASSIFICATION _____

(PAGE TITLE) SECTION C-4 RF DATA LINKS - S-BAND	2. REPLACES PAGE (S) C-4-4 DATED 8-1-80	3. PAGE NO. C-4-4
		4. DATE 12-1-81
5. PROGRAM TITLE FEDP-81	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION		

R

8. ITEM NO.	9. TEST CODE

11.

FROM/TO NET TITLE OR NUMBER / FROM /TO	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	A	AE	AM	AO	S	DSTF	ESA-60	GMIL (STDN)	LC-39A	MIL-71	O&C	OPF	SAEF-2	SAB (RVCF)	VIB (COS)	SPIF	VPF					
	C																					
36. STATION OR LOCATION	A																					
AE						X	X	X	X	X	X						X					
AM						X	X	X	X	X	X						X					
AO						X	X	X	X	X	X						X					
S									X		X											
DSTF		X	X	X																		
ESA-60		X	X	X					X				X				X					
GMIL (STDN)		X	X	X				X		X			X	X	X							
LC-39A		X	X	X	X				X				X				X					
MIL-71		X	X	X						X												
O&C		X	X	X	X																	
OPF								X	X	X							X					
SAEF-2									X								X					
SAB (RVCF)									X				X	X	X							
VIB (COS)									X				X									
SPIF																						
VPF		X	X	X	X			X		X			X	X	X							

REFERENCE NOTES

QUANTITY OF ANTENNAS

AE ----- 4 ea
AM ----- 4 ea
AO ----- 3 ea
S ----- 2 ea
DSTF --- 2 ea
ESA-60 — TBD
LC-39A - 5 ea
O&C ---- 1 ea
OPF ---- 0
SAEF-2 - 3 ea
VPF ---- 4 ea

1. CLASSIFICATION _____

(PAGE TITLE) SECTION C-4 RF DATA LINKS - C-BAND	3. REPLACES PAGE (S) C-4-5 DATED 8-1-80	5. PAGE NO. C-4-5
		4. DATE 12-1-81
2. PROGRAM TITLE FEDP-81	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION		

R

8. ITEM NO.	9. TEST CODE

11.

FROM/TO → / NET TITLE OR NUMBER / FROM/TO ↓		11 AE	12 AM	13 AO	14 S	15 DSTF	16 ESA-60	17 GMIL (STDN)	18 LC-39A	19 MIL-71	20 O&C	21 OPF	22 SAEF-2	23 SAB (RVCF)	24 VIB (COS)	25 SPIF	26 VPF	27	28	29	30	31	32
	A																						
	B																						
34. STATION OR LOCATION	A																						
AE						X	X		X								X						
AM						X	X		X								X						
AO						X	X		X								X						
S																							
DSTF		X	X	X																			
ESA-60		X	X	X																			
GMIL (STDN)																							
LC-39A		X	X	X									X										
MIL-71																							
O&C																							
OPF																							
SAEF-2									X								X						
SAB (RVCF)																							
VIB (COS)																							
SPIF																							
VPF		X	X	X									X										

REFERENCE NOTES

QUANTITY OF ANTENNAS

AE ----- 2 ea
AM ----- 4 ea
AO ----- 2 ea
S ------ 0
DSTF --- 2 ea
ESA-60 - TBD
LC-39A - 2 ea
O&C ---- 0
OPF ---- 0
SAEF-2 - 2 ea
VPF ---- 2 ea

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C. ASSIFICATION

(PAGE TITLE) SECTION C-4 RF DATA LINKS - X-BAND	2. REPLACES PAGE (S) C-4-6 DATED 8-1-80	3. PAGE NO. C-4-6
		4. DATE 12-1-81
5. PROGRAM TITLE FEDP-81	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION		

R

8. ITEM NO.	9. TEST-CODE

11.

TO →

NET TITLE OR NUMBER

FROM ↓

36. STATION OR LOCATION	A	AE	AM	AO	S	DSTF	ESA-60	GMIL (STDN)	LC-39A	MIL-71	O&C	OPF	SAEF-2	SAB (RVCF)	VIB (COS)	SPIF	VPF
AE																	
AM																	
AO																	
S																	
DSTF																	
ESA-60																	
GMIL (STDN)																	
LC-39A										X							
MIL-71													X				
O&C																	
OPF																	
SAEF-2																	X
SAB (RVCF)																	
VIB (COS)																	
SPIF																	
VPF																	

REFERENCE NOTES

QUANTITY OF ANTENNAS

AE	0
AM	0
AO	0
S	0
DSTF	0
ESA-60	0
LC-39A	2 ea
O&C	0
OPF	0
SAEF-2	2 ea
VPF	2 ea

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1. CLASSIFICATION _____

(PAGE TITLE) SECTION C-4 RF DATA LINKS - KU-BAND	2. REPLACES PAGE (S) C-4-7 DATED 8-1-80	3. PAGE NO. C-4-7
		4. DATE 12-1-81
5. PROGRAM TITLE FEDP-81	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION		

R

8. ITEM NO.	9. TEST CODE

11.

FROM/TO →

NET TITLE OR NUMBER

FROM/TO ↓

26. STATION OR LOCATION	A	11 AE	12 AM	13 AO	14 S	15 DSTF	16 ESA-60	17 GMIL (STDN)	18 LC-39A	19 MIL-71	20 O&C	21 OPF	22 SAEF-2	23 SAB (RVCF)	24 VOB (COS)	25 SPIF	26 VPF	27	28	29	30	31
AE						X		X	X								X					
AM						X		X	X								X					
AO						X		X	X								X					
S																						
DSTF		X	X	X																		
ESA-60																						
GMIL (STDN)		X	X	X					X				X				X					
LC-39A		X	X	X				X					X									
MIL-71																						
O&C																						
OPF																						
SAEF-2								X	X								X					
SAB (RVCF)																						
VIB (COS)																						
SPIF																						
VPF		X	X	X				X					X									

REFERENCE NOTES

QUANTITY OF ANTENNAS

AE ----- 2 ea
AM ----- 4 ea
AO ----- 2 ea
S ------- 0
DSTF ---- 2 ea
EAS-60 -- 0
LC-39A -- 2 ea
O&C ---- 0
OPF ---- 0
SAEF-2 -- 2 ea
VPF ---- 2 ea

1. CLASSIFICATION _____

(PAGE TITLE) SECTION C-5			2. REPLACES PAGE (S) C-5-1 DATED 8/1/80	3. PAGE NO. C-5-1
				4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION				

11. PAGING AND AREA WARNING

1. CLASSIFICATION _____

1. CLASSIFICATION

(PAGE TITLE) SECTION C-5 PAGING (CCAFS)

2. REPLACES PAGE (S) ADDED DATED

3. PAGE NO. C-5-2

4. DATE 6/1/81

5. PROGRAM TITLE FLDP-81

6. PROGRAM NO.

7. REVISION NO. 10

9. TEST CODE

8. ITEM NO.	10. TYPE INST	NET TITLE OR NUMBER	11 Local Paging	12 Microphone Input	13 Tops Input	14 Admin. Tel. Input	15 Aural Warning	16 Remote Input	17 Range Aural C/D*
		36. STATION OR LOCATION							
		PPF-S	Y	Y	N	N	Y	AE	N
		PPF-AE	Y	Y	N	Y	Y	N	Y
		PPF-AO	Y	Y	N	Y	Y	N	N
		PPF-AM	Y	Y	N	Y	Y	AO	N
		ESA-60	Y	Y	Y	N	Y	AO	Y
		DELTA SPIN TEST	Y	Y	N	N	Y	N	N
		BLDG. E60	N	N	N	N	N	N	N

37 REFERENCE NOTES

Y-INSTALLED AND REQUIRED

N-NOT INSTALLED AND NOT REQUIRED

X-REQUIRED BUT NOT INSTALLED

*-COUNTDOWN

NOTE: ALL CCAFS PA SYSTEMS ARE EQUIPPED WITH AURAL WARNING INPUTS.

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1. CLASSIFICATION

1. CLASSIFICATION

(PAGE TITLE) SECTION C-5 PAGING AND AREA WARNING	2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. C-5-3
		4. DATE 12/1/81
5. PROGRAM TITLE FEDP-81	9. TEST CODE / 6. PROGRAM NO.	7. REVISION NO. 11

8. ITEM NO.	10. TYPE INST	NET TITLE OR NUMBER		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
			A	LOCAL PAGING	P/AW (CDSC)	OIS (RF)																						
			B																									
		36. STATION OR LOCATION	A																									
		O&C		Y	Y	Y																						
		VPF (M-7-1469)		Y	Y	Y																						
		VPF OSB		Y	Y	Y																						

37 REFERENCE NOTES

Y-- YES

N - NO

N/A - NOT APPLICABLE

1. CLASSIFICATION

1 CLASSIFICATION _____

(PAGE TITLE) SECTION C-6		2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. C-6-1
			4. DATE 10-08-81
5. PROGRAM TITLE FEDP-81	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11

8. ITEM NO.	10.
	OPERATIONAL TELEVISION

1 CLASSIFICATION _____

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1 CLASSIFICATION

(PAGE TITLE) SECTION C-6		2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. C-6-1.1
			4. DATE 10-08-81
5. PROGRAM TITLE FEDP-81	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11

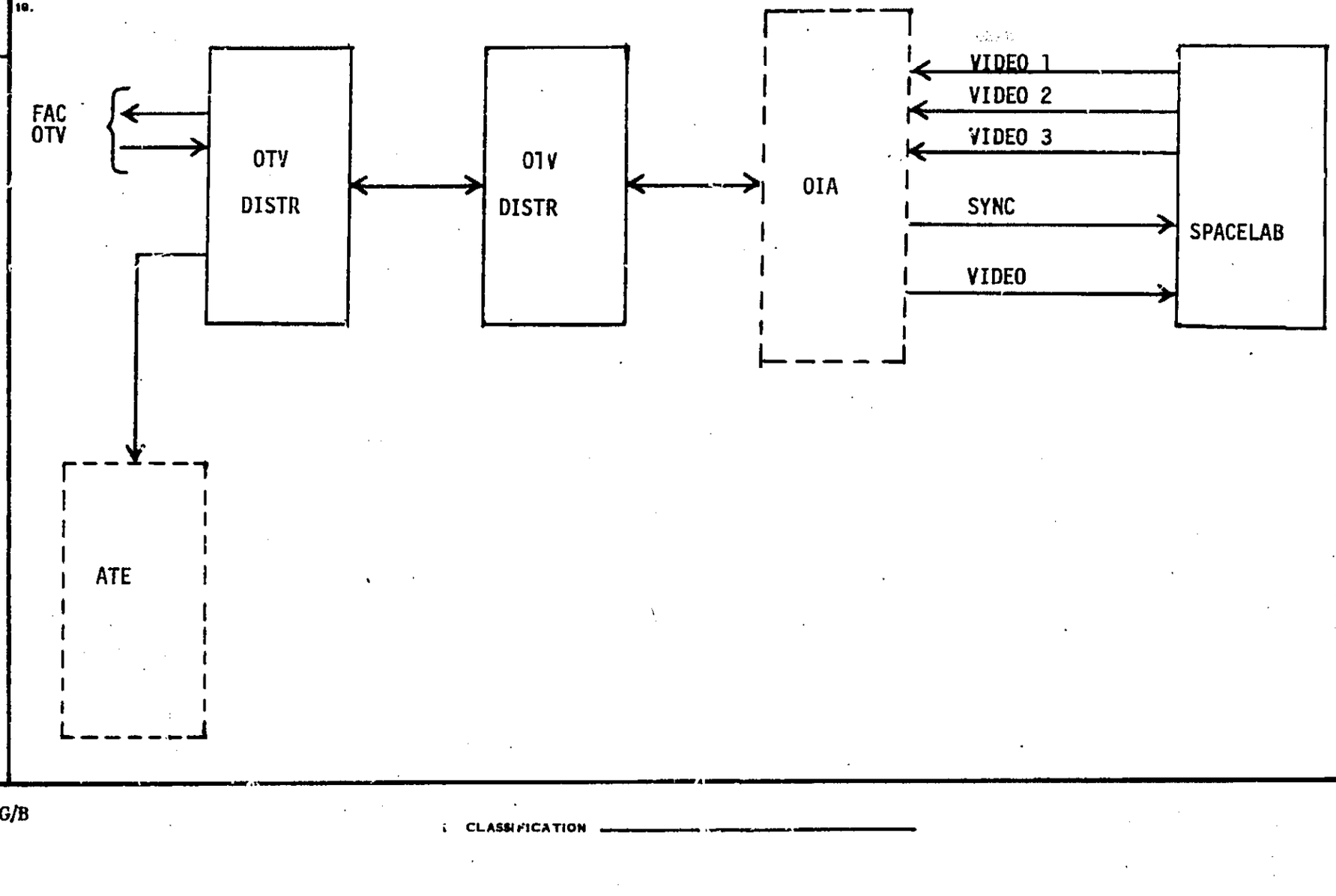
8. ITEM NO.	10.
	THE OTV MONITORS AND CAMERAS LISTED ON PAGES C-6-4 THROUGH C-6-19 ARE JOINTLY USED BY EXPENDABLE VEHICLE AND STS CARGO. THE MOST CURRENT LOCATION OF THESE ITEMS IS REFLECTED IN FEDP-81 FOR REFERENCE AND DOES NOT CONTROL CONFIGURATION. CARGO OTV WILL BE TIMESHARED WITH THE ESS CAMERAS FROM VPF, ESA 60, DSTF, SAFF AND OPF WITH DISTRIBUTION TO THE PIF'S AND WILL BE REFLECTED IN FUTURE REVISIONS OF FEDP-81 AS IMPLEMENTATION PLANS MATURE.

1 CLASSIFICATION

(PAGE TITLE)	2. REPLACES PAGE (S)	3. PAGE NO.
SECTION C-6 OTV SPACELAB EGSE CCTV O&C BUILDING	C-6-2 DATED 02-07-79	C-6-1.2 R 4. DATE 10-08-81 R
5. PROGRAM TITLE FEDP-81	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11

8. ITEM NO.

10.



R
R

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1 CLASSIFICATION

1 CLASSIFICATION _____

(PAGE TITLE) SECTION C-6		2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. C-6-2
			4. DATE 10-08-81
5. PROGRAM TITLE FEDP-81	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11

8. ITEM NO.	10.
	OTV MONITORS

1 CLASSIFICATION _____

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-6 OTV MONITORS		2. REPLACES PAGE (S) C-6-1 DATED 06-01-81	3. PAGE NO. C-6-3
			4. DATE 10-08-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION LCC FIRING ROOM 1			

MONITOR NUMBER	USER	TYPE	LOCATION
129	CO	8 INCH	CONS BA2
130	CO	8 INCH	CONS BA2
131	CO	8 INCH	CONS BA4
132	CO	8 INCH	CONS BA4
966	CO	8 INCH	CONS AC5
967	CO	8 INCH	CONS AC5
968	CO	8 INCH	CONS BA6
969	CO	8 INCH	CONS BA6

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-6 OTV MONITORS		2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. C-6-4
			4. DATE 10-08-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION PPF-AE			

8. ITEM NO.

11.

MONITOR NUMBER	USER	NOMINAL TYPE	NOMINAL LOCATION
01	CC	8 INCH*	Rm 125 Console G
02	CC	8 INCH*	MDC Console 4
03	CC	8 INCH*	MDC Console 4
04	CC	8 INCH*	MDC Console 9
05	CC	8 INCH*	MDC Console 9
06	CC	8 INCH*	MDC Console 12
07	CC	8 INCH*	MDC Console 12
08	CC	8 INCH*	MDC Console 15
09	CC	8 INCH*	MDC Console 15
10	CC	8 INCH*	MDC Console 21
11	CC	8 INCH*	MDC Console 21
12	CC	8 INCH*	MDC Console 25
13	CC	8 INCH*	MDC Console 25
14	CC	8 INCH*	MDC Console 29
15	CC	8 INCH*	MDC Console 29
Not Assigned	CC	14 INCH*	LVD Rack 1
17	CC	8 INCH*	LVD Rack 2
18	CC	8 INCH*	LVD Rack 2
19	CC	14 INCH*	LVD Rack 3
20	CC	14 INCH*	LVD Rack 4
21	CC	8 INCH*	LVD Rack 5
22	CC		

* Underscan

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-6 OTV MONITORS		2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. C-6-5
			4. DATE 10-08-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION PPF AE			

8. ITEM NO.

11.

MONITOR NUMBER	USER	NOMINAL TYPE	NOMINAL LOCATION
23	CO	8 INCH*	LVD Rack 5
24	CO	14 INCH*	LVD Rack 6
25	CO	14 INCH*	LVD Rack 7
26	CO	8 INCH*	LVD Rack 8
27	CO	8 INCH*	LVD Rack 8
28	CO	14 INCH*	LVD Rack 9
29	CO	14 INCH*	LVD Rack 10
30	CO	14 INCH*	LVD Rack 11
31	CO	8 INCH*	LVD Rack 12
32	CO	8 INCH*	LVD Rack 12
33	CO	14 INCH*	LVD Rack 13
34	CO	14 INCH*	LVD Rack 14
35	CO	8 INCH*	LVD Rack 15
36	CO	8 INCH*	LVD Rack 15
37	CO	14 INCH*	LVD Rack 16
38	CO	14 INCH*	LVD Rack 17
39	CO	14 INCH*	LVD Rack 18
40	CO	14 INCH*	LVD Rack 19
41	CO	8 INCH*	LVD Rack 20
42	CO	8 INCH*	LVD Rack 20
43	CO	8 INCH*	Rm 125 Rack 43
44	CO	14 INCH*	LVD Rack 23

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-6 OTV MONITORS		2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. C-6-6
			4. DATE 10-08-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION PPF AE			

8. ITEM NO.

11.

MONITOR NUMBER	USER	NOMINAL TYPE	NOMINAL LOCATION
45	CO	14 INCH*	LVD Rack 24
46	CO	8 INCH*	LVD Rack 25
47	CO	8 INCH*	LVD Rack 25
48	CO	14 INCH*	LVD Rack 26
49	CO	14 INCH*	LVD Rack 27
50	CO	8 INCH*	LVD Rack 28
51	CO	8 INCH*	LVD Rack 28
52	CO	14 INCH*	LVD Rack 29
53	CO	14 INCH*	LVD Rack 30
54	CO	14 INCH*	LVD Rack 31
55	CO	8 INCH*	LVD Rack 31
56	CO	14 INCH*	LVD Rack 32
57	CO	8 INCH*	LVD Console 34
58	CO	8 INCH*	LVD Console 34
59	CO	8 INCH*	LVD Console 37
60	CO	8 INCH*	LVD Console 37
Not Assigned			
62	CO	8 INCH*	Room 125 Console G
63	CO	8 INCH*	Room 125 Console A
64	CO	8 INCH*	Room 125 Console A
65	CO	8 INCH*	Room 129 Console 2
66	CO	8 INCH*	Room 129 Console 2
67	CO	8 INCH*	Room 109A Console 27
68	CO	8 INCH*	Room 109A Console 27
69	CO	17 INCH*	Room 125 RK 26
70	CO	17 INCH*	Room 125 RK 33

* Underscan

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-6 OTV MONITORS		2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. C-6-7
			4. DATE 10-08-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION PPF AE			

8. ITEM NO.

11.

MONITOR NUMBER	USER	NOMINAL TYPE	NOMINAL LOCATION
106	CO	17 INCH*	Room 125 Rack 31
107	CO	8 INCH*	Room 125 Rack 43
108	CO	17 INCH*	Room 100
110	CO	21 INCH*	MDC Display Board
111	CO	5 INCH*	MDC Console 17
112	CO	5 INCH*	MDC Console 17
201	CO	8 INCH*	Room 125 Rack 43
203	CO	8 INCH*	Room 125 Rack 43
204	CO	8 INCH*	Room 125 Console F
205	CO	8 INCH*	Room 125 Console F
206	CO	8 INCH*	Room 125 Rack 31
207	CO	8 INCH*	Room 125 Rack 31
208	CO	17 INCH*	Room 125 Rack 20C
209	CO	17 INCH*	Room 125 Rack 27
210	CO	17 INCH*	Room 125 Rack 28
211	CO	17 INCH*	Room 125 Rack 29
212	CO	17 INCH*	Room 125 Rack 30
213	CO	17 INCH*	Room 125 Rack 19C
214	CO	17 INCH*	Room 125 Rack 36
215	CO	17 INCH*	Room 125 Rack 37
216	CO	17 INCH*	Room 125 Rack 38

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-6 OTV MONITORS		2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. C-6-8
			4. DATE 10-08-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION PPF AE			

8. ITEM NO.

11.

MONITOR NUMBER	USER	NOMINAL TYPE	NOMINAL LOCATION
217	CO	27 INCH*	Room 135B High Bay
218	CO	27 INCH*	Room 135B High Bay
Not Assigned			
Not Assigned			
231	CO	17 INCH*	LVD Rack 23
232	CO	14 INCH*	LVD Rack 24
233	CO	14 INCH*	LVD Rack 25
234	CO	14 INCH*	LVD Rack 26
235	CO	14 INCH*	LVD Rack 27
236	CO	14 INCH*	LVD Rack 28
Not Assigned			
Not Assigned			
Not Assigned			
Not Assigned			

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-6 OTV MONITORS		2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. C-6-9
			4. DATE 10-08-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION PPF AE			

8. ITEM NO.

11.

MONITOR NUMBER	USER	NOMINAL TYPE	NOMINAL LOCATION
237	CO	14 INCH*	LVD Rack 29
238	CO	14 INCH*	LVD Rack 30
239	CO	14 INCH*	LVD Rack 31
240	CO	14 INCH*	LVD Rack 32
241	CO	21 INCH*	MDC Display Board
242	CO	21 INCH*	MDC Display Board
243	CO	8 INCH*	Room 102F Table
244	CO	17 INCH*	Room 125 Rack 48
246	CO	8 INCH*	Room 129 Console
247	CO	23 INCH*	Room 129 Wall Mount
TLM-7	CO	17 INCH*	Room 129 Table
248	CO	21 INCH*	MDC Display Board
Not Assigned			
Not Assigned			
Not Assigned			
261	CO	17 INCH*	LVD Rack 1
262	CO	17 INCH*	LVD Rack 2
263	CO	17 INCH*	LVD Rack 3
264	CO	17 INCH*	LVD Rack 4
265	CO	17 INCH*	LVD Rack 5
266	CO	17 INCH*	LVD Rack 6

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-6 OTV MONITORS		2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. C-6-10
			4. DATE 10-08-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION PPF AE			

8. ITEM NO.

11.

MONITORS NUMBER	USER	NOMINAL TYPE	NOMINAL LOCATION
267	CO	17 INCH*	LVD Rack 7
268	CO	17 INCH*	LVD Rack 8
269	CO	17 INCH*	LVD Rack 9
270	CO	17 INCH*	LVD Rack 10
271	CO	17 INCH*	LVD Rack 11
272	CO	17 INCH*	LVD Rack 12
273	CO	17 INCH*	LVD Rack 13
274	CO	17 INCH*	LVD Rack 14
275	CO	17 INCH*	LVD Rack 15
276	CO	17 INCH*	LVD Rack 16
277	CO	17 INCH*	LVD Rack 17
278	CO	17 INCH*	LVD Rack 18
279	CO	17 INCH*	LVD Rack 19
280	CO	17 INCH*	LVD Rack 20

Not Assigned

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-6 OTV MONITORS		2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. C-6-11
			4. DATE 10-08-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION PPF AO			

8. ITEM NO.

11.

MONITOR NUMBER	USER	NOMINAL TYPE	NOMINAL LOCATION
01	CO	8 INCH*	Room 207 Console 03
02	CO	8 INCH*	Room 207 Console 03
03	CO	8 INCH*	Room 207 Console 06
04	CO	8 INCH*	Room 207 Console 06
05	CO	8 INCH*	Room 207 Console 17
06	CO	8 INCH*	Room 207 Console 17
07	CO	8 INCH*	Room 207 Console 20
08	CO	8 INCH*	Room 207 Console 20
09	CO	8 INCH*	Room 207 Between 11 & 12
09A	CO	8 INCH*	Room 207 Display Board
101	CO	21 INCH	Room 207 Display Board
102	CO	21 INCH	Room 207 Display Board
103	CO	21 INCH	Room 207 Display Board
Not Assigned			
105	CO	21 INCH	Room 105 Wall Mount
106	CO	21 INCH	Room 106 Wall Mount
107	CO	8 INCH	Security Console
108	CO	8 INCH	Security Console
Not Assigned			
Not Assigned			
Not Assigned			
Not Assigned			
111	CO	17 INCH	Room 219
Not Assigned			

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-6 OTV MONITORS		2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. C-6-12
			4. DATE 10-08-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION ESA 60			

8. ITEM NO.

11.

MONITOR NUMBER	USER	NOMINAL TYPE	NOMINAL LOCATION
MM-1	TS	8 INCH*	Instr. Lab Rack 01
01	CO	8 INCH	Instr. Lab Rack 02
02	CO	8 INCH	Instr. Lab Rack 02
03	CO	8 INCH	Instr. Lab Rack 02
04	CO	8 INCH	Instr. Lab Rack 02
05	CO	8 INCH	Instr. Lab Rack 03
06	CO	8 INCH	Instr. Lab Rack 03

Not Assigned

* Underscan

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-6 OTV MONITORS		2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. C-6-13
			4. DATE 10-08-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION BLDG. E&O			

8. ITEM NO.	11.

MONITOR NUMBER	USER	NOMINAL TYPE	NOMINAL LOCATION
109	CO	17 INCH	Room 204
Not Assigned			

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-6 OTV MONITORS		2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. C-6-14
			4. DATE 10-08-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION PPF S			

8. ITEM NO.

11.

MONITOR NUMBER	USER	NOMINAL TYPE	NOMINAL LOCATION
221	CO	8 INCH*	Room 16
222	CO	21 INCH*	Room 11
223	CO	8 INCH*	Room 22

Not Assigned

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1. CLASSIFICATION K-SH-10.2.81

PAGE TITLE: SECTION C-6 OTV MONITORS		2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. C-6-15
			4. DATE 10-08-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION PPF AM			

8. ITEM NO.

11.

MONITOR NUMBER	USER	NOMINAL TYPE	NOMINAL LOCATION
Not Assigned			
225	CO	27 INCH*	High Bay
226	CO	27 INCH*	High Bay
Not Assigned			
Not Assigned			
Not Assigned			
252	CO	17 INCH	Room 101
253	CO	17 INCH	Room 104
Not Assigned			

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-6 OTV MONITORS		2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. C-6-16
			4. DATE 10-08-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION DSTF			

8. ITEM NO.

11.

MONITOR NUMBER	USER	NOMINAL TYPE	NOMINAL LOCATION
1	CO	17 INCH CONRAC	Control Room
2	CO	17 INCH CONRAC	Control Room
3	CO	17 INCH CONRAC	Control Room
4	CO	17 INCH CONRAC	Control Room
6	CO	17 MIRATEL	Trailer #151

Not Assigned

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1 CLASSIFICATION _____

(PAGE TITLE) SECTION C-6 OTV CAMERAS		2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. C-6-17
			4. DATE 10-08-81
5. PROGRAM TITLE FEDP-81	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11

8. ITEM NO.	10.
	OTV CAMERAS

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1 CLASSIFICATION _____

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-6 OTV CAMERAS		2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. C-6-18
			4. DATE 10-08-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION PPF's			

8. ITEM NO.

11.

CAM#	USER	NOMINAL LOCATION	NOMINAL TYPE	REMARKS
01	CO	Hgr. AE Rm. 102	Dage	
02	CO	Hgr. AE High Bay	Dage	
03	CO	Hgr. AM High Bay	Brown	MK-10 Zoom Lens
04	CO	Hgr. AE Tower	Brown	MK-10 with 2 each 2X EXT.
05	CO	Hgr. AE Room 109A	COHU	
06	CO	Hgr. AE Room 109A	COHU	
01	CO	Hgr. AO High Bay	Brown	MK-4 Zoom Lens
02	CO	Hgr. AO High Bay	Brown	MK-4 Zoom Lens
03	CO	Hgr. AO High Bay	Brown	MK-4 with 2X EXT.
04	CO	Hgr. AO Room 106	Brown	MK-4 Zoom Lens
05	CO	Hgr. AO Room 105	Brown	MK-4 Zoom Lens
06	CO	Hgr. AO Room 104	Brown	MK-4 Zoom Lens
07	CO	Hgr. AO High Bay	Brown	MK-10 Zoom Lens
08	CO	Hgr. AO High Bay	Brown	MK-4 Zoom Lens
09	CO	Hgr. AO Room 114		
01	CO	ESA-60 Spacecraft Assembly Bldg. N. High Bay	Brown	MK-10 Zoom Lens
02	CO	ESA-60 Spacecraft Assembly Bldg. N. High Bay	Brown	MK-10 Zoom Lens
03	CO	ESA-60 Spacecraft Assembly Bldg. S. High Bay	Brown	MK-4 or MK-10 Lens
04	CO	ESA-60 Spacecraft Assembly Bldg. S. High Bay	Brown	MK-4 or MK-10 Lens
05	CO	ESA-60 Propellant Lab	Brown	MK-4 Zoom Lens
06	CO	ESA-60 Propellant Lab	Brown	MK-4 Zoom Lens

Not assigned

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-6 OTV CAMERAS		2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. C-6-19
			4. DATE 10-08-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION DSTF			

8. ITEM NO.

11.

CAMERA #	NOMINAL TYPE	NOMINAL LOCATION
1	COHU 3006-005	High Bay
2	COHU 3006-005	High Bay
3	COHU 3006-005	High Bay
4	COHU 2820B-202	High Bay

Not Assigned

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-6 OTV CAMERAS		2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. C-6-20
			4. DATE 10-08-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION			

8. ITEM NO.	11. CAMERA #	USER	NOMINAL LOCATION	NOMINAL TYPE	REMARKS
	(1 EACH)	CO	VPF: AIR LOCK/RM 101	B&W WITH PAN & TILT CAPABILITY	TO VIEW VPF OPERATIONS (ESPECIALLY CRITICAL DURING HAZARDOUS OPERATIONS)
	(2 EACH)	CO	VPF: HIGH BAY/RM 102	B&W WITH PAN & TILT CAPABILITY	TO VIEW VPF OPERATIONS (ESPECIALLY CRITICAL DURING HAZARDOUS OPERATIONS)
	17A	CO	RSS WORK PLATFORM	B&W PORTABLE	TO VIEW RSS/PCR ACTIVITIES
	18A	CO	RSS WORK PLATFORM	B&W PORTABLE	TO VIEW RSS/PCR ACTIVITIES
	58P	CO	OPF-OVER P/L BAY	B&W PORTABLE	TO VIEW PAYLOAD LOOKING AFT
	59P	CO	OPF-ORB COCKPIT	B&W PORTABLE	TO VIEW CRT
	60P	CO	OPF-OVER P/L BAY	B&W PORTABLE	TO VIEW PAYLOAD LOOKING FORWARD
	(1 EACH)	CO	SAEF: AIRLOCK	B&W WITH PAN & TILT CAPABILITY	TO VIEW SAEF OPERATIONS
	(2 EACH)	CO	SAEF: HIGH BAY	B&W WITH PAN & TILT CAPABILITY	TO VIEW SAEF OPERATIONS

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1 CLASSIFICATION

(PAGE TITLE) SECTION C-6 VIDEO RECORDERS	2. REPLACES PAGE (If DATED) ADDED	3. PAGE NO. C-6-21
		4. DATE 10-08-81
5. PROGRAM TITLE FEDP-81	6. PROGRAM NO.	7. REVISION NO. 11

8. ITEM NO.	10.
	VIDEO RECORDERS

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1 CLASSIFICATION

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1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-6 VIDEO RECORDERS		2. REPLACES PAGE (S) DATED ADDED	3. PAGE NO. C-6-22
			4. DATE 10-08-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION			

8. ITEM NO.

11.

QUANTITY	USER	DESCRIPTION	NOMINAL LOCATION
4	CO	Sony EV-360 Helkal Scan Patchable	Hgr AE
1	CO	RCA TR-4 Quadrature Patchable	Hgr AE

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-7		2. REPLACES PAGE (S) DATED	3. PAGE NO. C-7-1 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11.
	WIDEBAND/AUDIO GRADE

UDS FORM S G/B
JULY 70

1. CLASSIFICATION K-SM-10.2.81

(PAGE TITLE) SECTION C-7 NARROW BAND DATA	2. REPLACES PAGE (S) DATED	3. PAGE NO. C-7-2
		4. DATE 2-7-79
5. PROGRAM TITLE FEDP-81	6. PROGRAM NO.	7. REVISION NO. 5
	9. TEST CODE	

8. ITEM NO.	10. TYPE INST	NET TITLE OR NUMBER		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
			A	CKT # TBD	CKT # TBD	CKT # TBD	CKT # TBD	CKT # TBD	CKT # TBD	CKT # TBD	CKT # TBD	CKT # TBD	CKT # TBD	CKT # TBD	CKT # TBD	CKT # TBD	CKT # TBD	CKT # TBD	CKT # TBD	CKT # TBD	CKT # TBD	CKT # TBD	CKT # TBD	CKT # TBD	CKT # TBD	CKT # TBD	CKT # TBD		
			B	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4		
		36. STATION OR LOCATION	A																									
		Pad A MLP to LCC 3P13		X	X	X	X	X	X	X	X	X	X	X															
		Pad A to LCC 3P13													X	X	X	X										
		Pad A to LCC 3P13																	X	X	X	X						
		Pad A to LCC 3P13																					X	X	X	X		

7. REFERENCE NOTES

(1) Circuit Function is IUS GSE Power Supply Control and Monitor.

(2) IUS Safeing S&A

(3) IUS Monitor S&A

(4) IUS Power Supply

4/80

UDS FORM R 229
JULY 70

1. CLASSIFICATION _____

1. CLASSIFICATION K-SM-10.2.81

(PAGE TITLE) SECTION C-7 NARROW BAND DATA	2. REPLACES PAGE (S) C-7-3 DATED 2-7-79	3. PAGE NO. C-7-3
		4. DATE 8-1-80
5. PROGRAM TITLE FEDP-81	9. TEST CODE / 6. PROGRAM NO.	7. REVISION NO. 8

8. ITEM NO.	10. TYPE INST	NET TITLE OR NUMBER		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
			A	2DAM 106	2DAM 107	2DAM 108	2DAM 109																					
			B																									
		36. STATION OR LOCATION	A																									
		O&C 3233 to LCC 2P10		X	X	X	X																					

37 REFERENCE NOTES

(1) 9.6 KBS Full Duplex

UDS FORM R 229
JULY 70

1. CLASSIFICATION

481

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-7 WIDEBAND/AUDIO GRADE		2. REPLACES PAGE (S) DATED C-7-4 06-01-81	3. PAGE NO. C-7-4
			4. DATE 10-08-81
5. PROGRAM TITLE: FEDP-81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION			

8. ITEM NO.	11.
	1. 9000 NUMBERED WIDEBAND CIRCUITS ARE INSTALLED ON A TEMPORARY BASIS AND WILL REMAIN ACTIVE AS LONG AS SPARE EQUIPMENT AND CABLE IS AVAILABLE. ESTABLISHED CIRCUITS WILL NOT BE REMOVED WITHOUT PRIOR COORDINATION WITH THE CUSTOMER." R 2. WIDEBAND CIRCUITS THAT ARE JOINTLY USED BY SHUTTLE AND CARGO WILL NOT BE SHOWN IN SECTION "C". REFER TO APPLICABLE "B" SECTION FOR INFORMATION. R 3. REFER TO SECTION "B", PAGES B-7-7.1 THRU B-7-24 FOR THE CROSS REFERENCE LIST OF W/B CIRCUIT NUMBERS VERSUS THE DRAWING PAGES THAT THEY APPEAR ON. R

4/82

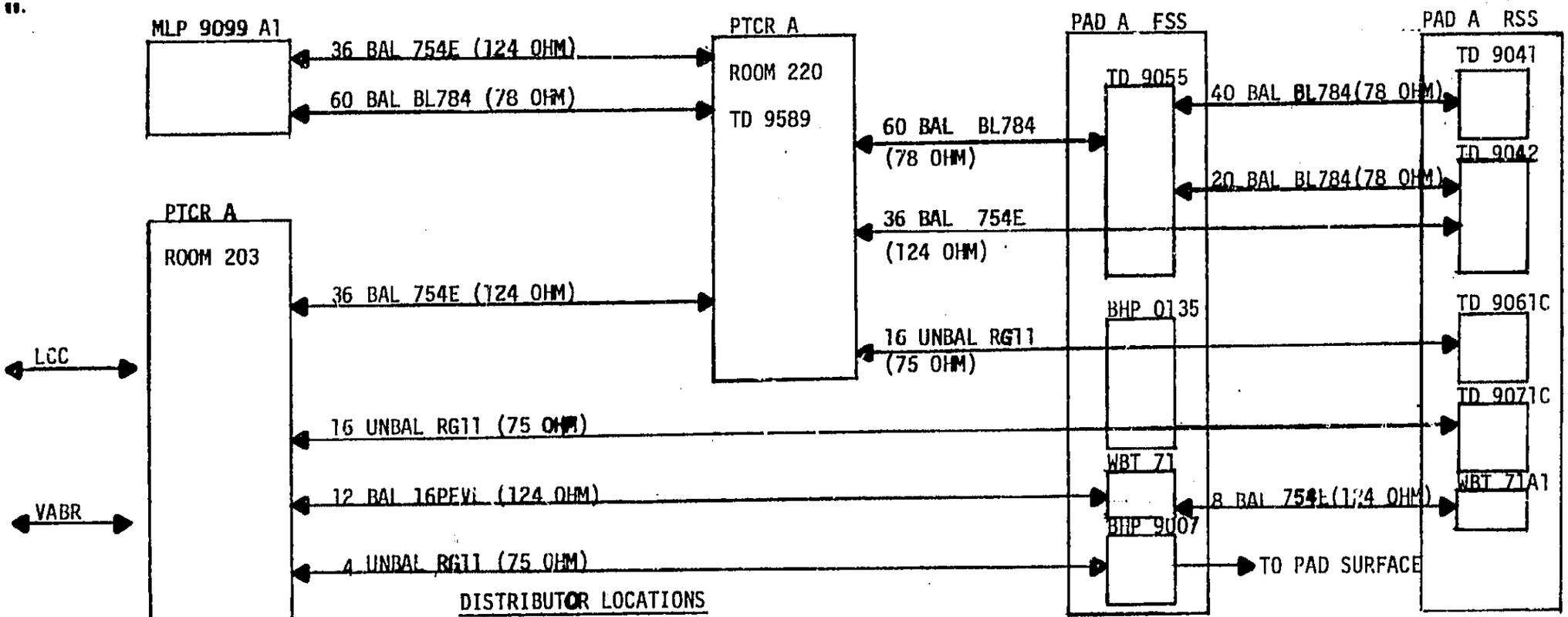
1. CLASSIFICATION

(PAGE TITLE) SECTION C-7 WIDEBAND/AUDIO GRADE			2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. C-7-4.1
				4. DATE 10-08-81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11

10. LOCATION

PAD A INTERNAL WIDEBAND DISTRIBUTION

11.



DISTRIBUTOR LOCATIONS

TD9041	- RSS 140' LVL, SIDE 4	TD9071C	- RSS 160' LVL SIDE 2	WBT 71A1	- RSS 117' LVL
TD9042	- RSS 140' LVL, SIDE 2	BHP0135	- FSS 135' LVL		
TD9055	- FSS 155' LVL	BHP9007	- FSS 75' LVL		
TD9061C	- RSS 160' LVL, SIDE 4	WBT 71	- FSS 135' LVL		

UDS FORM 8 C/C
JULY 70

1. CLASSIFICATION

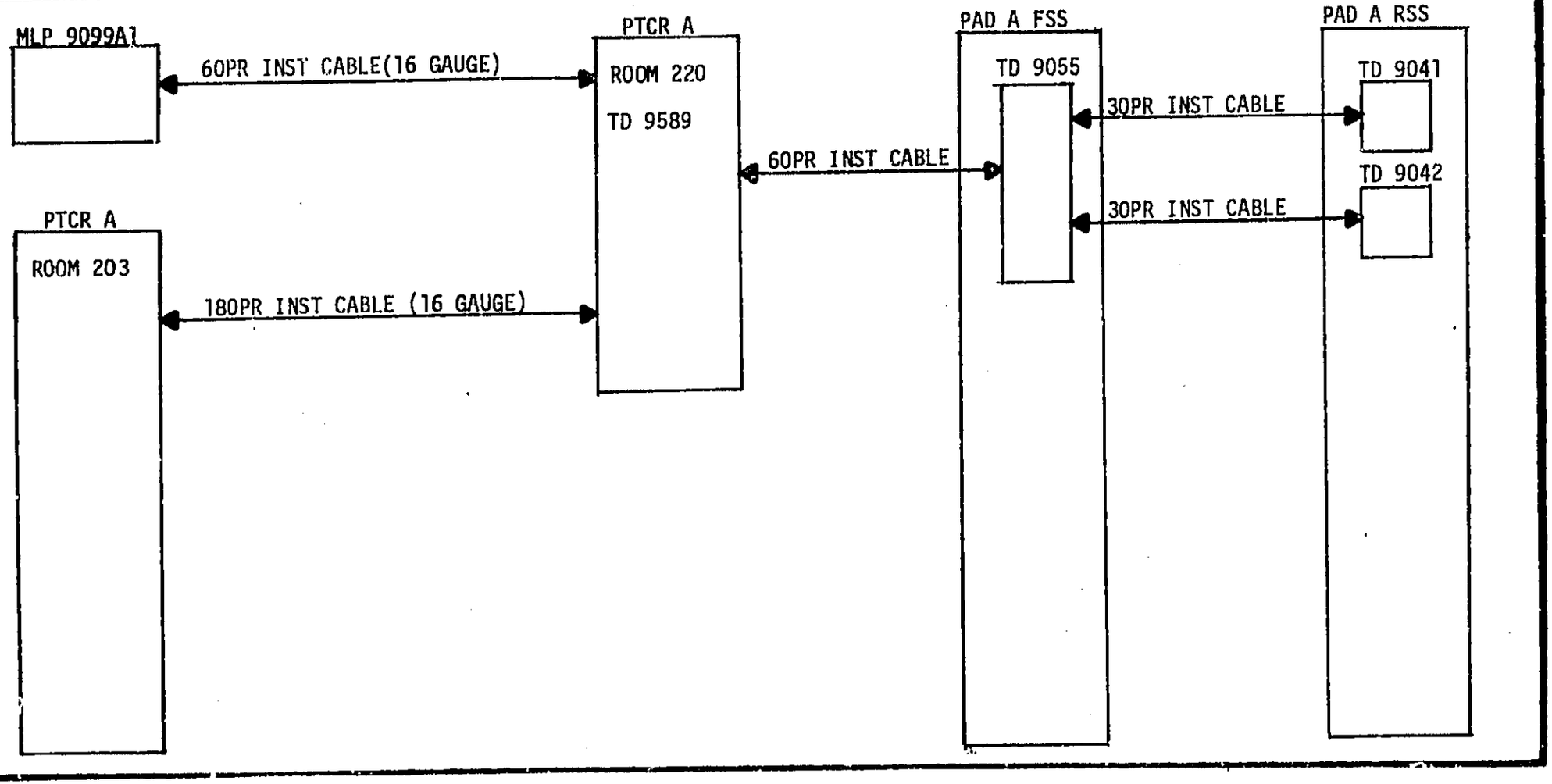
5. CLASSIFICATION

(PAGE TITLE) SECTION C-7 WIDEBAND/AUDIO GRADE			2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. C-7-4.2
				4. DATE 10-08-81
9. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11

10. LOCATION

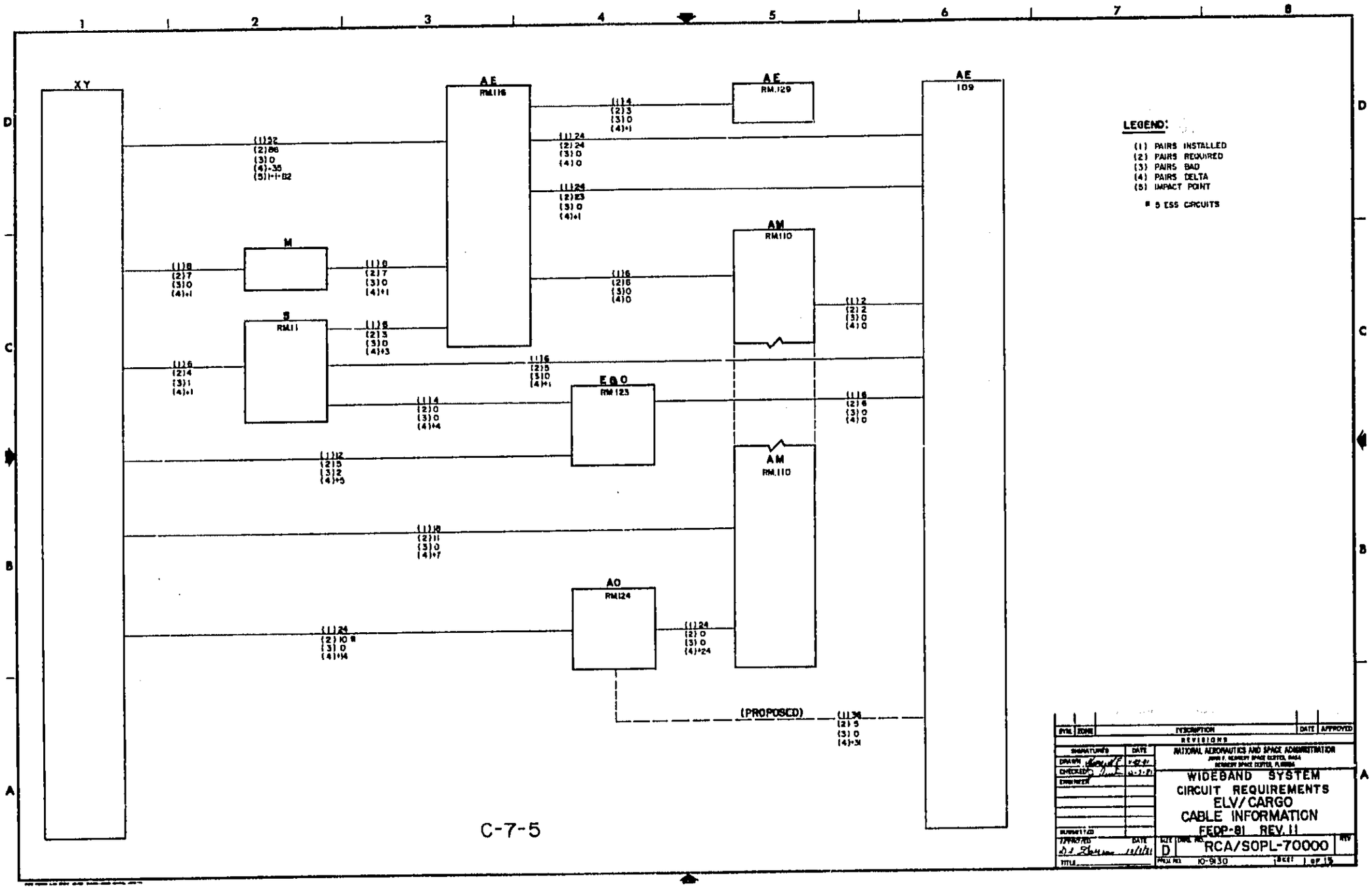
PAD A INTERNAL INSTRUMENTATION (AUDIO) CABLE DISTRIBUTION

11.



UDS FORM 8 C/C
JULY 70

1. CLASSIFICATION



C-7-5

SYM.	ZONE	DESCRIPTION	DATE	APPROVED
		REVISIONS		

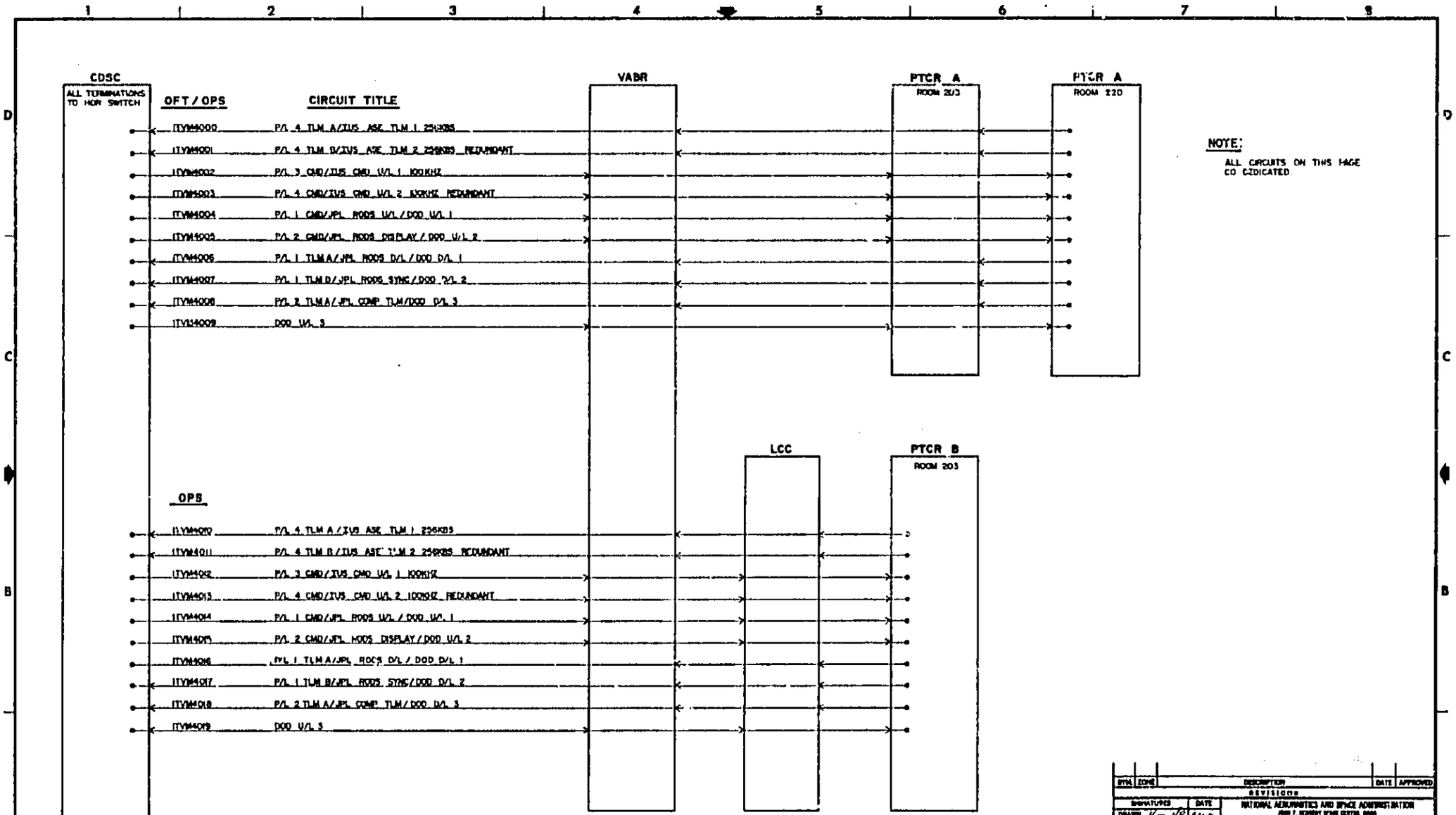
SIGNATURES	DATE
DRAWN	9-12-91
CHECKED	10-1-91
ENGINEER	
SUPERVISOR	
APPROVED	DATE
TITLE	10/11/91

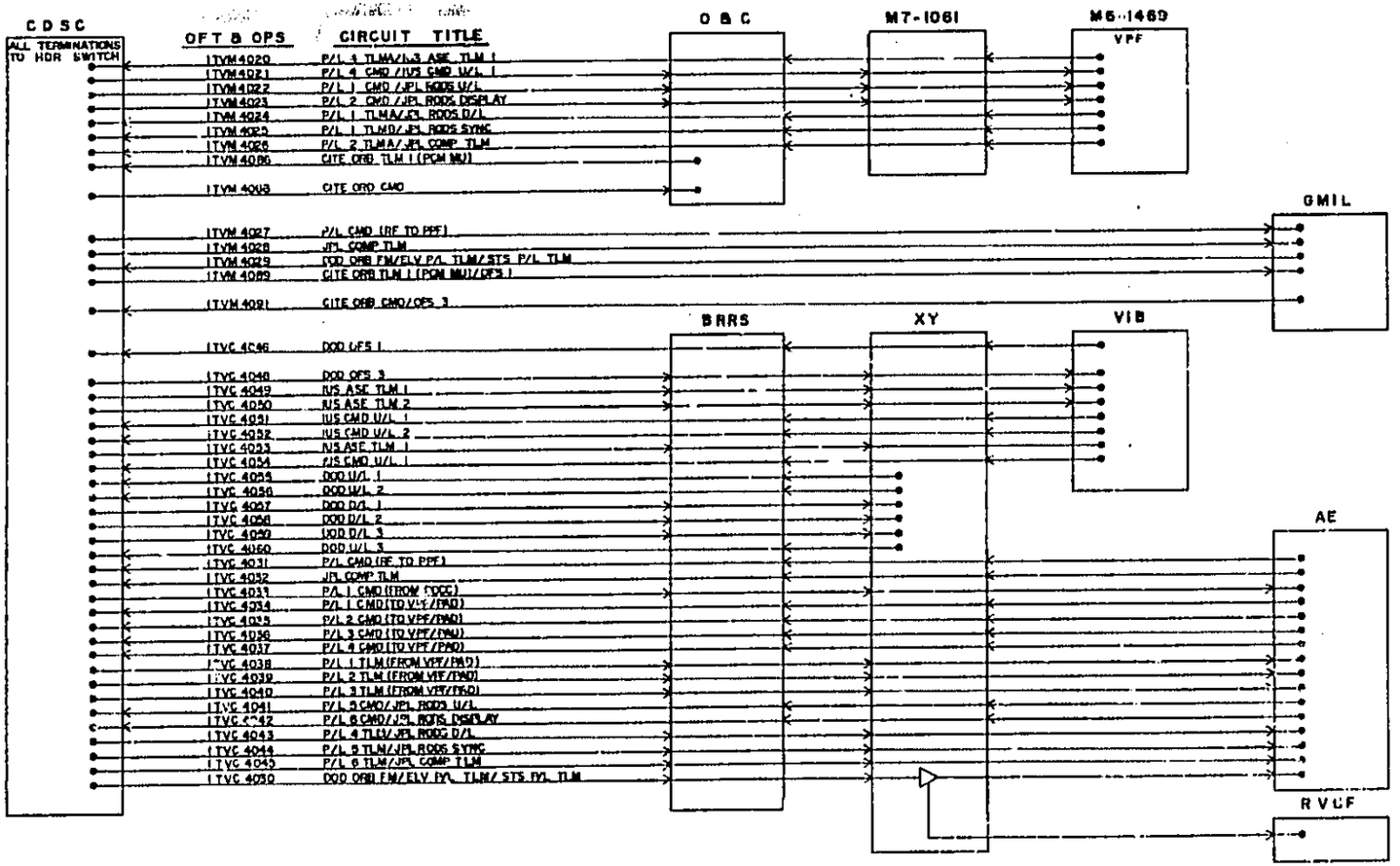
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA 32899

WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
ELV/CARGO
CABLE INFORMATION
FEDP-81 REV. 11

SIZE	DRWG. NO.	REV
D	RCA/SOPL-70000	
PROJ. NO.	10-9130	SHEET 1 OF 15

485


CDSC
ALL TERMINATIONS TO HOR SWITCH
OFT / OPS
CIRCUIT TITLE
ITYM4000 P/L 4 TLM A/IUS ASK TLM 1 256KBS
ITYM4001 P/L 4 TLM B/IUS ASK TLM 2 256KBS REDUNDANT
ITYM4002 P/L 3 CMD/IUS CMD U/L 1 100KHZ
ITYM4003 P/L 4 CMD/IUS CMD U/L 2 100KHZ REDUNDANT
ITYM4004 P/L 1 CMD/JPL RODS U/L / DOD U/L 1
ITYM4005 P/L 2 CMD/JPL RODS DISPLAY / DOD U/L 2
ITYM4006 P/L 1 TLM A/JPL RODS D/L / DOD D/L 1
ITYM4007 P/L 1 TLM B/JPL RODS SYNC/DOD D/L 2
ITYM4008 P/L 2 TLM A/JPL COMP TLM/DOD D/L 3
ITYM4009 DOD U/L 3
VABR
PTCR A
ROOM 203
PTCR A
ROOM 220
NOTE:
ALL CIRCUITS ON THIS PAGE CO CIDICATED
OPS
ITYM4010 P/L 4 TLM A/IUS ASK TLM 1 256KBS
ITYM4011 P/L 4 TLM B/IUS ASK TLM 2 256KBS REDUNDANT
ITYM4012 P/L 3 CMD/IUS CMD U/L 1 100KHZ
ITYM4013 P/L 4 CMD/IUS CMD U/L 2 100KHZ REDUNDANT
ITYM4014 P/L 1 CMD/JPL RODS U/L / DOD U/L 1
ITYM4015 P/L 2 CMD/JPL RODS DISPLAY/DOD U/L 2
ITYM4016 P/L 1 TLM A/JPL RODS D/L / DOD D/L 1
ITYM4017 P/L 1 TLM B/JPL RODS SYNC/DOD D/L 2
ITYM4018 P/L 2 TLM A/JPL COMP TLM/DOD D/L 3
ITYM4019 DOD U/L 3
LCC
PTCR B
ROOM 203
SYM ZONE DESCRIPTION DATE APPROVED
REVISIONS
SIGNATURES DATE
DRAWN
CHECKED
ENGINEER
RELEASED
APPROVED DATE
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
CARGO-PADS
FEDP-81 REV. 11
SIZE D
DWG NO. RCA/SOPL-70000
PROJ NO. KO-5830
SHEET 2


CDSC
ALL TERMINATIONS TO HDR SWITCH
OFT B OPS
CIRCUIT TITLE
OBC
M7-1061
M6-1469
VPF
GMIL
BRRS
XY
VIB
AE
RVCF
TVM 4020 P/L 4 TLMA/L3 ASE TLM 1
TVM 4021 P/L 4 CMD /IUS CMD U/L 1
TVM 4022 P/L 1 CMD /JPL RODS U/L
TVM 4023 P/L 2 CMD /JPL RODS DISPLAY
TVM 4024 P/L 1 TLMA/JPL RODS D/L
TVM 4025 P/L 1 TLMD/JPL RODS SYNC
TVM 4026 P/L 2 TLMA/JPL COMP TLM
TVM 4086 CITE ORB TLM 1 (PCM MU)
TVM 4093 CITE ORB CMD
TVM 4027 P/L CMD (RF TO PPF)
TVM 4028 JPL COMP TLM
TVM 4029 DOD ORB FM/ELV P/L TLM/STS P/L TLM
TVM 4089 CITE ORB TLM 1 (PCM MU)/OFS 1
TVM 4091 CITE ORB CMD/OFS 3
TVC 4046 DOD OFS 1
TVC 4048 DOD OFS 3
TVC 4049 IUS ASE TLM 1
TVC 4050 IUS ASE TLM 2
TVC 4051 IUS CMD U/L 1
TVC 4052 IUS CMD U/L 2
TVC 4053 IUS ASE TLM 1
TVC 4054 IUS CMD U/L 1
TVC 4055 DOD U/L 1
TVC 4056 DOD U/L 2
TVC 4057 DOD D/L 1
TVC 4058 DOD D/L 2
TVC 4059 DOD D/L 3
TVC 4060 DOD U/L 3
TVC 4031 P/L CMD (RF TO PPF)
TVC 4032 JPL COMP TLM
TVC 4033 P/L 1 CMD (FROM PDCC)
TVC 4034 P/L 1 CMD (TO VPF/PMD)
TVC 4035 P/L 2 CMD (TO VPF/PMD)
TVC 4036 P/L 3 CMD (TO VPF/PMD)
TVC 4037 P/L 4 CMD (TO VPF/PMD)
TVC 4038 P/L 1 TLM (FROM VPF/PMD)
TVC 4039 P/L 2 TLM (FROM VPF/PMD)
TVC 4040 P/L 3 TLM (FROM VPF/PMD)
TVC 4041 P/L 3 CMD/JPL RODS U/L
TVC 4042 P/L 8 CMD/JPL RODS DISPLAY
TVC 4043 P/L 4 TLM/JPL RODS D/L
TVC 4044 P/L 5 TLM/JPL RODS SYNC
TVC 4045 P/L 6 TLM/JPL COMP TLM
TVC 4050 DOD ORB FM/ELV P/L TLM/STS P/L TLM

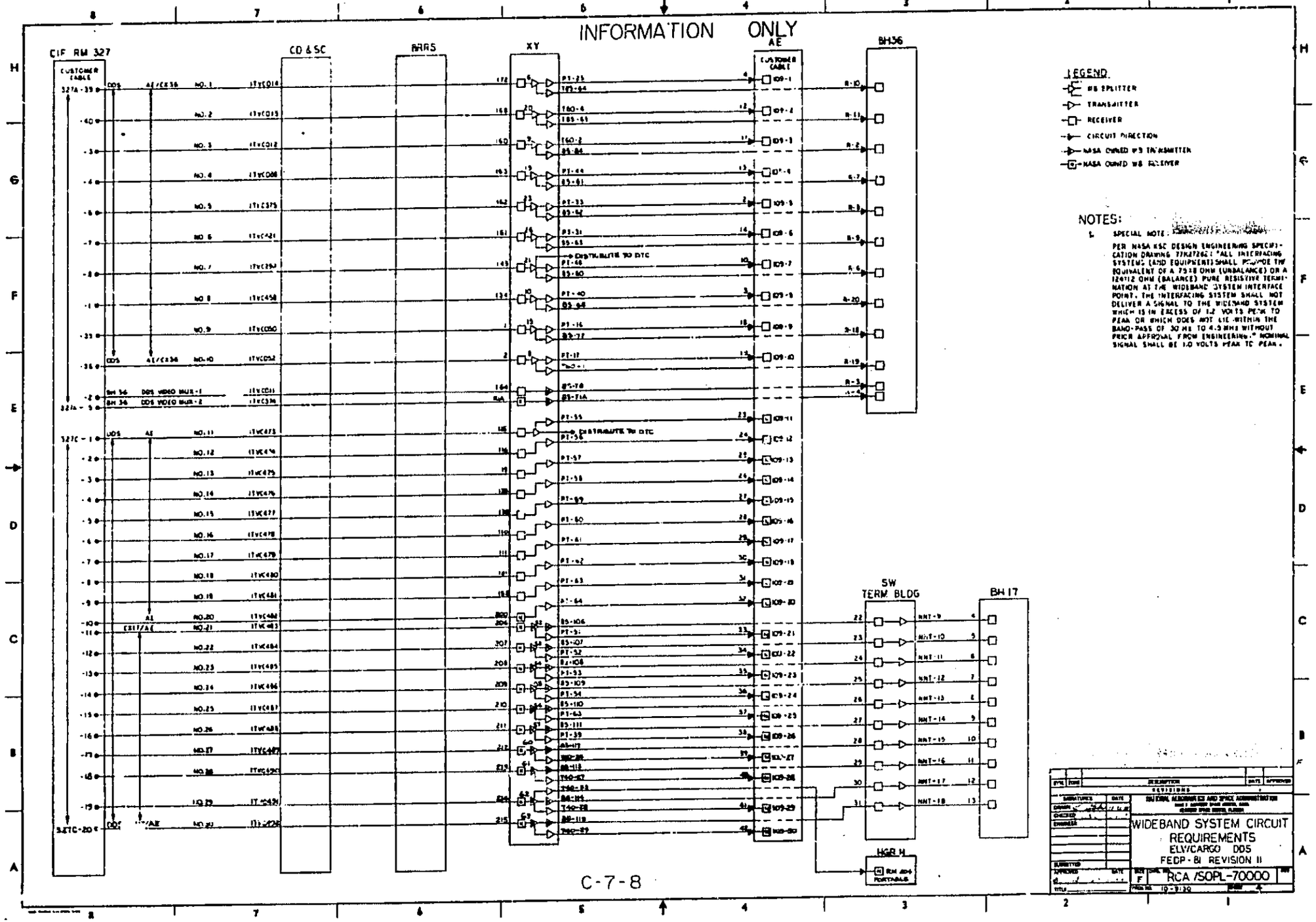
NOTE:
ALL CIRCUITS ON THIS PAGE ARE CO DEDICATED.

SYM	ZONE	DESCRIPTION	DATE	APPROVED
		REVISIONS		

ORIGINATOR	DATE	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
DRAFTSMAN FOLDESY	11-24-87	
CHECKED	12-7-87	
ENGINEER		WIDEBAND SYSTEM
		CIRCUIT REQUIREMENTS
		CARGO-I/A
		FEDP-81 REV. 11
SUBMITTED		
APPROVED	DATE	SIZE D DWG NO RCA/SOPL-70000 REV
TITLE		PROJ NO 10-9130 SHEET 5

481

INFORMATION ONLY



LEGEND

- WB SPLITTER
- TRANSMITTER
- RECEIVER
- CIRCUIT DIRECTION
- NASA OWNED WB TRANSMITTER
- NASA OWNED WB RECEIVER

NOTES:

1. SPECIAL NOTE: [illegible]

PER NASA KSC DESIGN ENGINEERING SPECIFICATION DRAWING 77K27267 "ALL INTERFACING SYSTEMS (AND EQUIPMENT) SHALL PROVIDE THE EQUIVALENT OF A 75Ω OHM (UNBALANCE) OR A 124Ω OHM (BALANCE) PURE RESISTIVE TERMINATION AT THE WIDEBAND SYSTEM INTERFACE POINT. THE INTERFACING SYSTEM SHALL NOT DELIVER A SIGNAL TO THE WIDEBAND SYSTEM WHICH IS IN EXCESS OF 1.2 VOLTS PEAK TO PEAK OR WHICH DOES NOT LIE WITHIN THE BAND-PASS OF 30 HZ TO 4.5 MHZ WITHOUT PRIOR APPROVAL FROM ENGINEERING." NOMINAL SIGNAL SHALL BE 1.0 VOLTS PEAK TO PEAK.

REVISIONS			
SYM	ZONE	DESCRIPTION	DATE / APPROVED

SIGNATURES	DATE
DRAWN	
CHECKED	
ENGINEER	
SUBMITTED	
APPROVED	DATE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
[illegible]

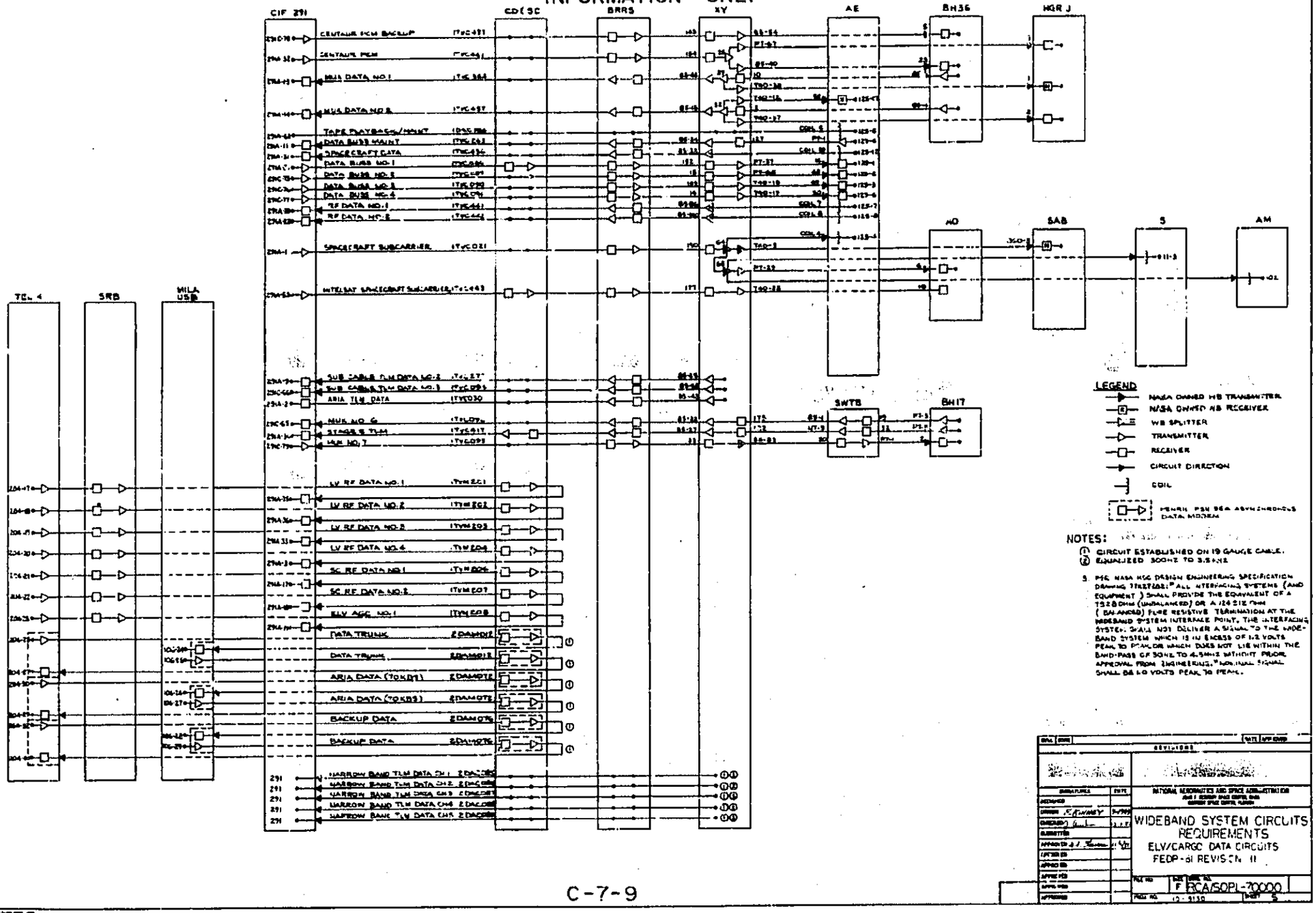
WIDEBAND SYSTEM CIRCUIT REQUIREMENTS ELV/CARGO DDS FEDP-81 REVISION H

SIZE	CODE IDENT. NO.	DWG. NO.	REV
F	RCA	/SOPL-70000	

SCALE: NONE | SHEET 4

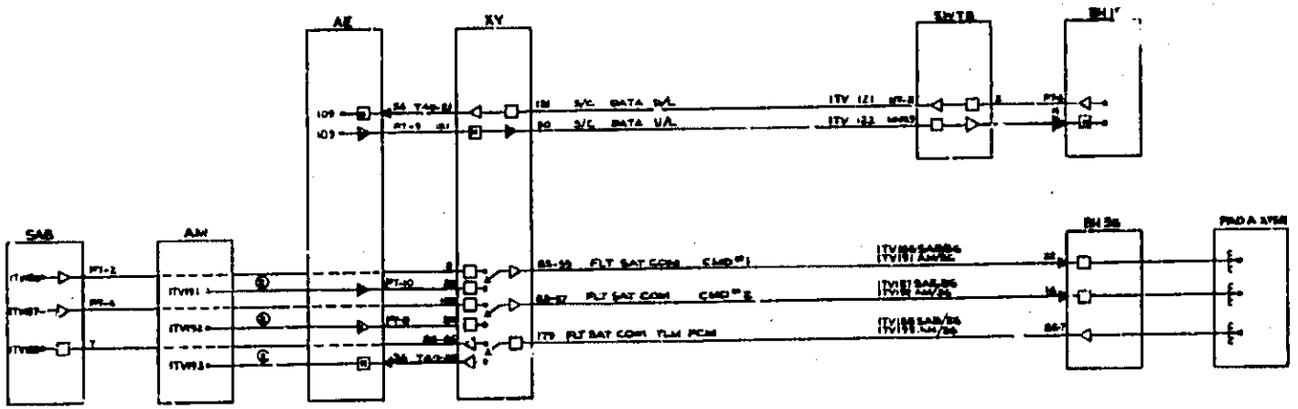
4/88

INFORMATION ONLY


CIF 291
CDCSC
BRRS
XY
AE
BH36
HGR J
AO
SAB
S
AM
SWTB
BHIT
TEL 4
SRB
MILA USB
LEGEND
NASA OWNED WB TRANSMITTER
NASA OWNED WB RECEIVER
WB SPLITTER
TRANSMITTER
RECEIVER
CIRCUIT DIRECTION
COIL
HENRIK PSN 864 ASYNCHRONOUS DATA MODEM
NOTES:
1. CIRCUIT ESTABLISHED ON 19 GAUGE CABLE.
2. EQUALIZED 300HZ TO 3.5KHZ
3. PER NASA KSC DESIGN ENGINEERING SPECIFICATION DRAWING 75K27268: "ALL INTERFACING SYSTEMS (AND EQUIPMENT) SHALL PROVIDE THE EQUIVALENT OF A 75Ω DMM (UNBALANCED) OR A 124Ω DMM (BALANCED) PURE RESISTIVE TERMINATION AT THE WIDEBAND SYSTEM INTERFACE POINT. THE INTERFACING SYSTEM SHALL NOT DELIVER A SIGNAL TO THE WIDEBAND SYSTEM WHICH IS IN EXCESS OF 1.2 VOLTS PEAK TO PEAK OR WHICH DOES NOT LIE WITHIN THE BAND-PASS OF 300HZ TO 4.5MHZ WITHOUT PRIOR APPROVAL FROM ENGINEERING." NOMINAL SIGNAL SHALL BE 1.0 VOLTS PEAK TO PEAK.
WIDEBAND SYSTEM CIRCUITS REQUIREMENTS
ELV/CARGO DATA CIRCUITS
FEDP-61 REVISION H
F RCA/SOPL-70000

1/89

INFORMATION ONLY



REVISIONS

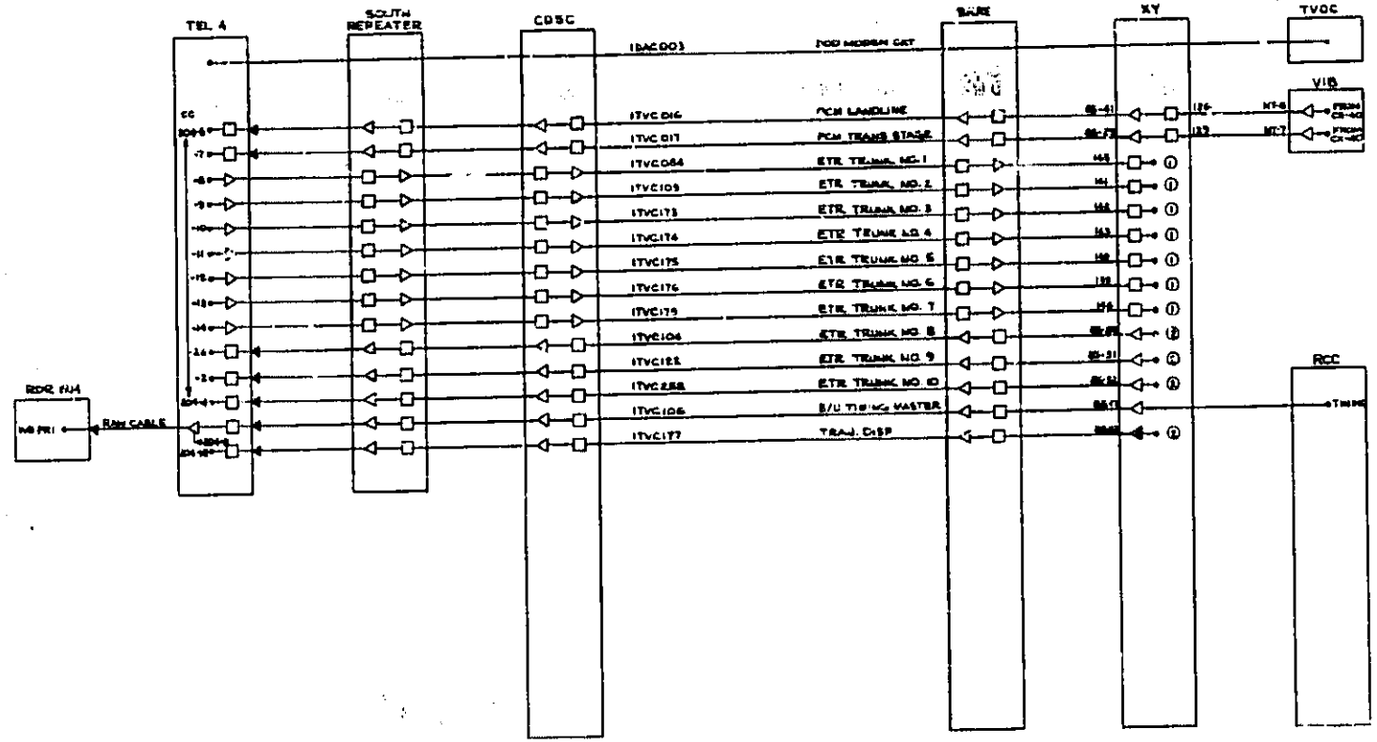
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
ELV/CARGO
CCAFS DATA CIRCUITS
FEDP-81 REV. 11

F RCA/SOPL-70000

C-7-10

4/90

INFORMATION ONLY



REVISIONS

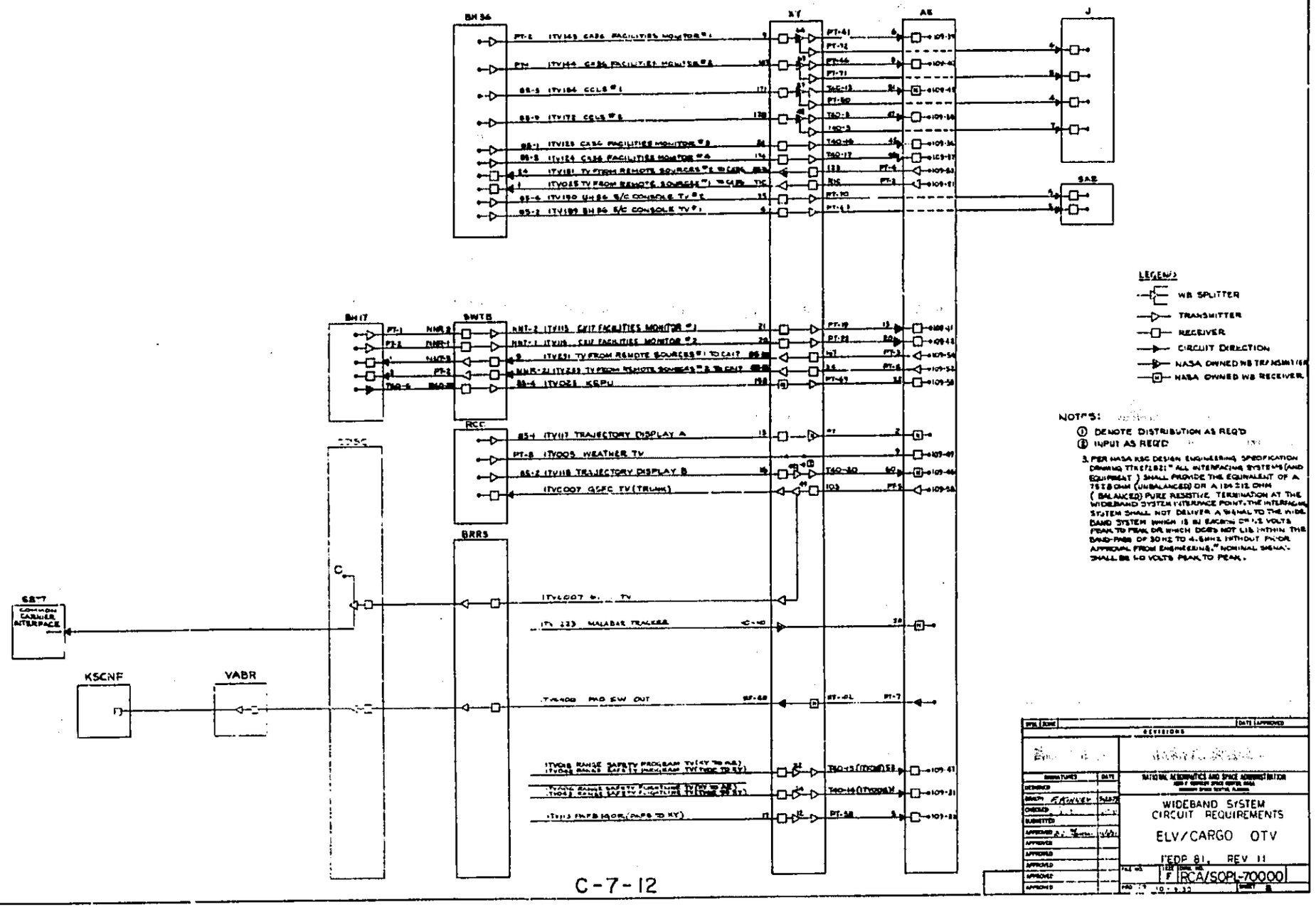
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
ELV/CARGO
DOD DATA CIRCUITS
FEDP-31 REV. H

F RCA/SOPL-70000

C-7-11

491

INFORMATION ONLY



NOTES:

① DENOTE DISTRIBUTION AS REQ'D

② INPUT AS REQ'D

3. PER NASA KSC DESIGN ENGINEERING SPECIFICATION DRAWING TTKEF1821" ALL INTERFACING SYSTEMS (AND EQUIPMENT) SHALL PROVIDE THE EQUIVALENT OF A 75Ω OHM (UNBALANCED) OR A 124.2Ω OHM (BALANCED) PURE RESISTIVE TERMINATION AT THE WIDEBAND SYSTEM INTERFACE POINT. THE INTERFACING SYSTEM SHALL NOT DELIVER A SIGNAL TO THE WIDEBAND SYSTEM WHICH IS IN EXCESS OF 1.2 VOLTS PEAK TO PEAK OR WHICH DOES NOT LIE WITHIN THE BAND-PASS OF 30 HZ TO 4.5 MHZ WITHOUT PRIOR APPROVAL FROM ENGINEERING." NOMINAL SIGNAL SHALL BE 1.0 VOLTS PEAK TO PEAK.

REVISIONS

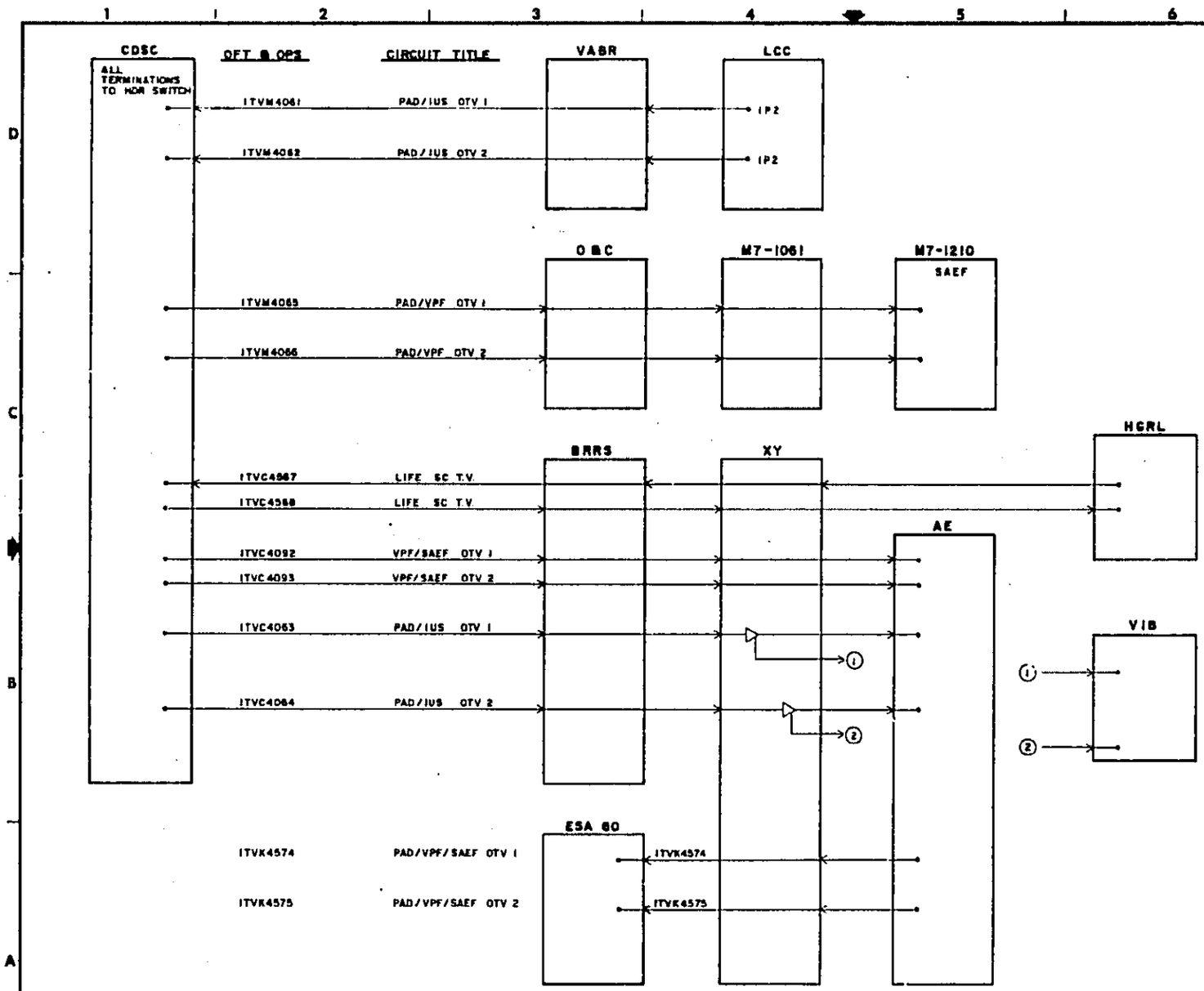
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
ELV/CARGO OTV
IEDP 81, REV 11

F RCA/SOPL-70000

C-7-12

492



NOTE:

ALL CIRCUITS ON THIS PAGE ARE CO DEDICATED.

SYM.	ZONE	DESCRIPTION	DATE	APPROVED
		REVISIONS		

SIGNATURES	DATE
DRAWN	11-21-91
CHECKED	12-2-91
ENGINEER	

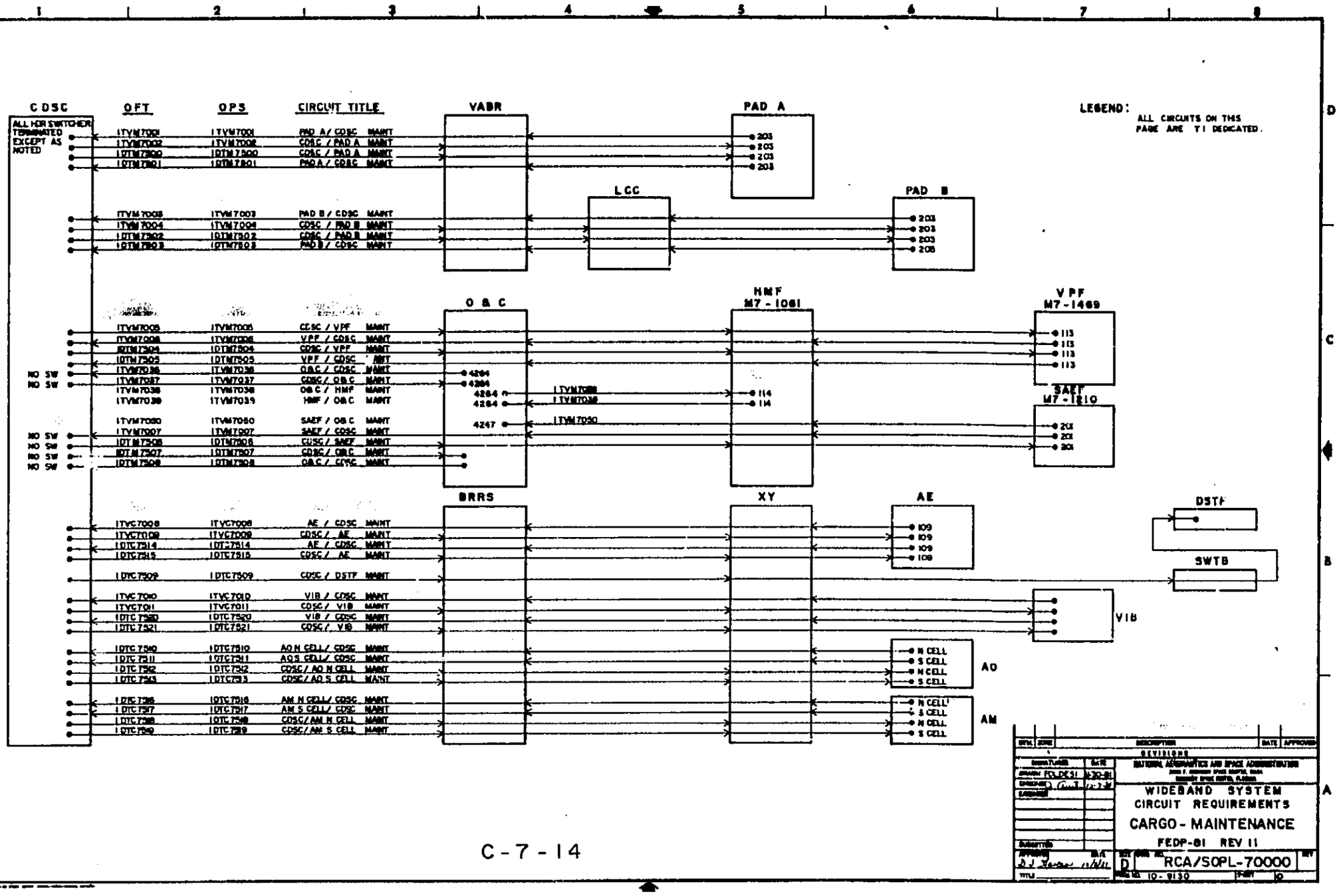
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

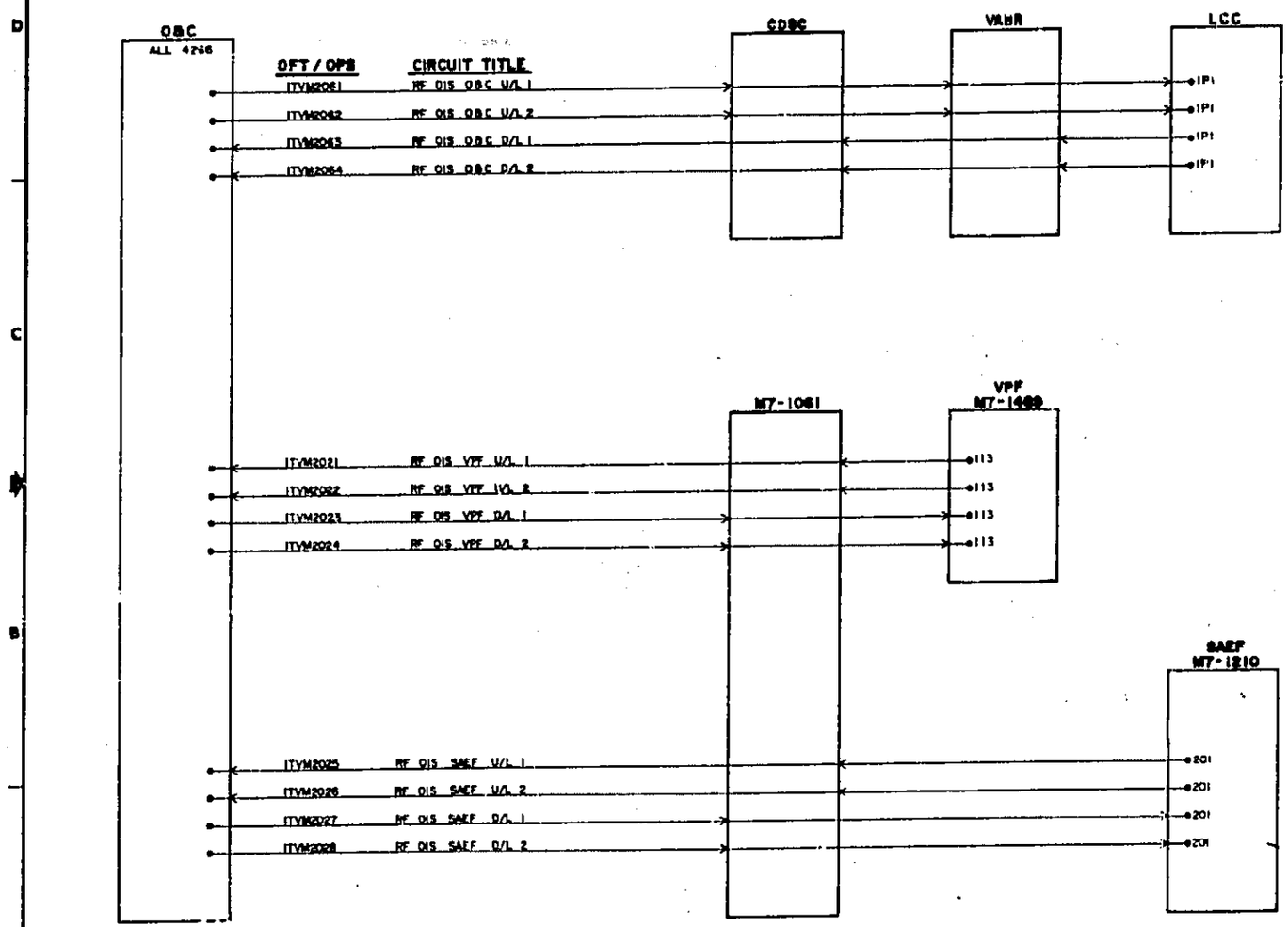
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
CARGO - OTV
FEDP-81 REV. 11

SUBMITTED	DATE
APPROVED	DATE
TITLE	

SIZE D | DWG. NO. RCA/SOPL-70000 | REV
PROJ. NO. 10-6130 | SHEET 9

4/93


CDSC
ALL HDR SWITCHER TERMINATED EXCEPT AS NOTED
OFT
OPS
CIRCUIT TITLE
VABR
PAD A
PAD B
LCC
O & C
HMF M7-1061
VPF M7-1469
SAEF M7-1210
BRRS
XY
AE
DSTF
SWTB
VIB
AO
AM
LEGEND:
ALL CIRCUITS ON THIS PAGE ARE T1 DEDICATED.
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
CARGO - MAINTENANCE
FEDP-81 REV 11
RCA/SOPL-70000



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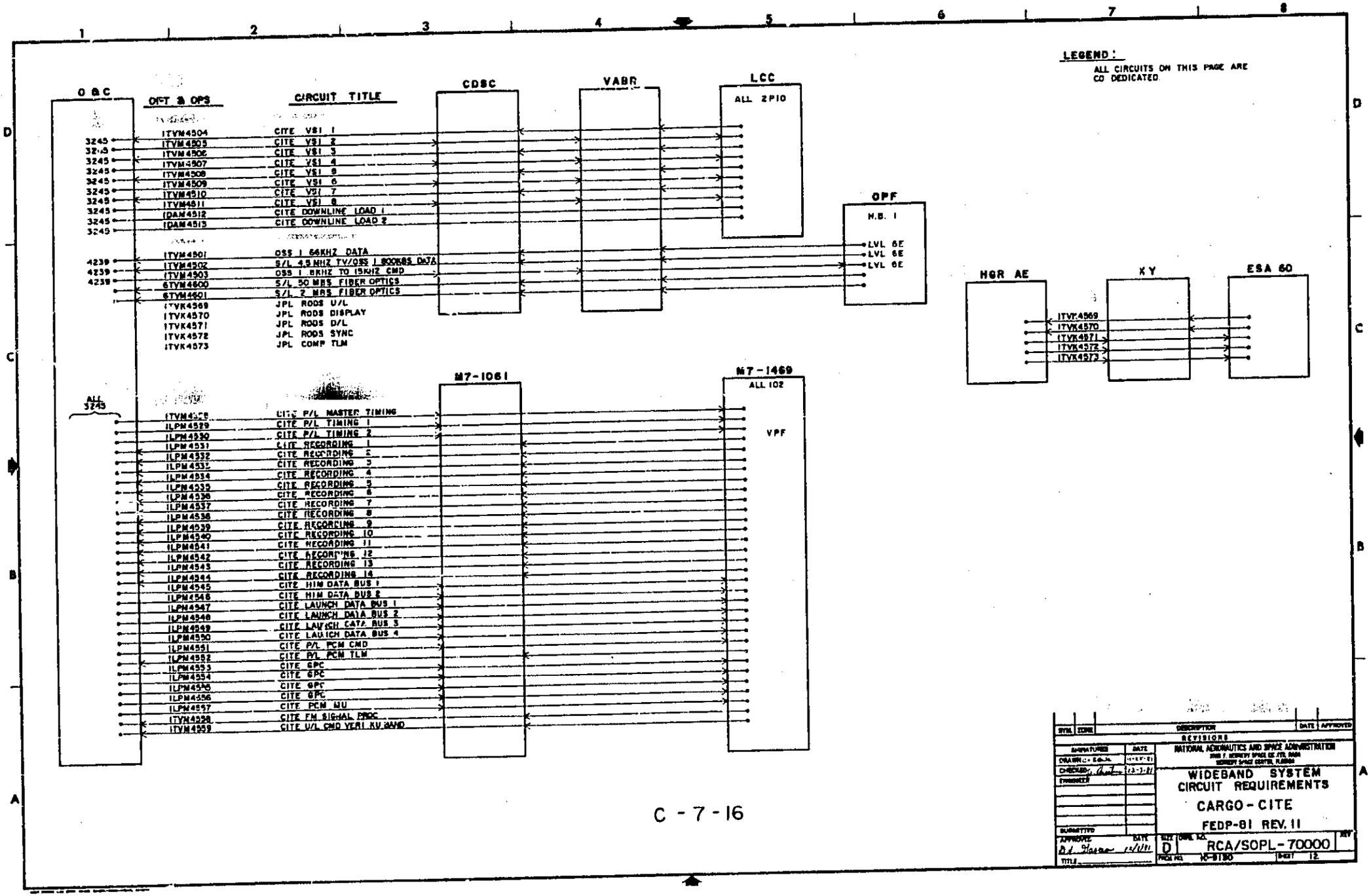
SYM	ZONE	DESCRIPTION	DATE	APPROVED
		REVISIONS		

SIGNATURES	DATE
DRAWN	10-23-81
CHECKED	11-2-81
APPROVED	DATE 11/4/81
TITLE	

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
CARGO RF-OIS
FEDP-81 REV. 11

SIZE D | DWG. NO. RCA/SOPL-70000 | REV.
PROJ NO. 10-9130 | SHEET 11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ALL CIRCUITS ON THIS PAGE ARE CO DEDICATED
O & C
OFT & OPS
CIRCUIT TITLE
CDSC
VABR
LCC
ALL 2P10
OPF
M.B. 1
HGR AE
XY
ESA 60
M7-1061
M7-1469
ALL 102
VPF
ALL 3245
ITVM4504 CITE VSI 1
ITVM4505 CITE VSI 2
ITVM4506 CITE VSI 3
ITVM4507 CITE VSI 4
ITVM4508 CITE VSI 5
ITVM4509 CITE VSI 6
ITVM4510 CITE VSI 7
ITVM4511 CITE VSI 8
IDAM4512 CITE DOWNLINE LOAD 1
IDAM4513 CITE DOWNLINE LOAD 2
ITVM4501 OSS 1 66KHZ DATA
ITVM4502 S/L 4.5 MHZ TV/OSS 1 BOOMS DATA
ITVM4503 OSS 1 8MHZ TO 15KHZ CMD
6TVM4600 S/L 50 MBS FIBER OPTICS
6TVM4601 S/L 2 MBS FIBER OPTICS
ITVK4569 JPL RODS U/L
ITVK4570 JPL RODS DISPLAY
ITVK4571 JPL RODS D/L
ITVK4572 JPL RODS SYNC
ITVK4573 JPL COMP TLM
LVL 6E
LVL 6E
LVL 6E
ILPM4528 CITE P/L MASTER TIMING
ILPM4529 CITE P/L TIMING 1
ILPM4530 CITE P/L TIMING 2
ILPM4531 CITE RECORDING 1
ILPM4532 CITE RECORDING 2
ILPM4533 CITE RECORDING 3
ILPM4534 CITE RECORDING 4
ILPM4535 CITE RECORDING 5
ILPM4536 CITE RECORDING 6
ILPM4537 CITE RECORDING 7
ILPM4538 CITE RECORDING 8
ILPM4539 CITE RECORDING 9
ILPM4540 CITE RECORDING 10
ILPM4541 CITE RECORDING 11
ILPM4542 CITE RECORDING 12
ILPM4543 CITE RECORDING 13
ILPM4544 CITE RECORDING 14
ILPM4545 CITE HIM DATA BUS 1
ILPM4546 CITE HIM DATA BUS 2
ILPM4547 CITE LAUNCH DATA BUS 1
ILPM4548 CITE LAUNCH DATA BUS 2
ILPM4549 CITE LAUNCH DATA BUS 3
ILPM4550 CITE LAUNCH DATA BUS 4
ILPM4551 CITE P/L PCM CMD
ILPM4552 CITE P/L PCM TLM
ILPM4553 CITE GPC
ILPM4554 CITE GPC
ILPM4555 CITE GPC
ILPM4556 CITE GPC
ILPM4557 CITE PCM MU
ITVM4558 CITE FM SIGNAL PROC
ITVM4559 CITE U/L CMD VERI KU BAND
ITVK4569
ITVK4570
ITVK4571
ITVK4572
ITVK4573
REVISIONS
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
CARGO - CITE
FEDP-81 REV. 11
RCA/SOPL-70000
SIZE D
XC-81180
SHEET 12

2/96

NOTE:
ALL CIRCUITS ON THIS PAGE ARE CO DEDICATED.

CDSC	OFT & OPS	CIRCUIT TITLE	VABR	PTCR A ROOM 203	PTCR A ROOM 220	LCC	PTCR B ROOM 203	PTCR B ROOM 220	OPF
ALL TERMINATIONS TO HDR SWITCH	IDTM5000	P/L 3 TLM A/IUS TLM A 64 KBS							
	IDTM5001	P/L 3 TLM B/IUS TLM B 64 KBS							
	IDTM5002	SSUS 2 TLM/IUS MUX D/L 1 76.8 KBS							
	IDTM5003	SSUS 3 TLM/IUS MUX D/L 2 76.8 KBS REDUNDANT							
	IDTM5004	IUS MUX U/L 1 76.8 KBS							
	IDTM5005	IUS MUX U/L 2 76.8 KBS REDUNDANT							
	IDTM5006	P/L 2 TLM B/DOD D/L 4							
	IDTM5007	SSUS 1 TLM/DOD D/L 5							
	IDTM5008	DOD D/L 6							
	IDTM5009	DOD D/L 7							
	IDTM5010	DOD U/L 4							
	IDTM5011	DOD U/L 5							
	IDTM5015	P/L 3 TLM A/IUS TLM A 64 KBS							
	IDTM5016	P/L 3 TLM B/IUJ TLM B 64 KBS							
	IDTM5017	SSUS 2 TLM/IUS MUX D/L 1 76.8 KBS							
	IDTM5018	SSUS 3 TLM/IUS MUX D/L 2 76.8 KBS REDUNDANT							
	IDTM5019	IUS MUX U/L 1 76.8 KBS							
	IDTM5020	IUS MUX U/L 2 76.8 KBS REDUNDANT							
	IDTM5021	P/L 2 TLM B/DOD D/L 4							
	IDTM5022	SSUS 1 TLM/DOD D/L 5							
	IDTM5023	DOD D/L 6							
	IDTM5024	DOD D/L 7							
	IDTM5025	DOD U/L 4							
	IDTM5026	DOD U/L 5							
	IDTM5012	P/L 1 CMD							
	IDTM5013	P/L 1 TLM A							
	IDTM5014	P/L 1 TLM B							

SYM	ZONE	DESCRIPTION	DATE	APPROVED

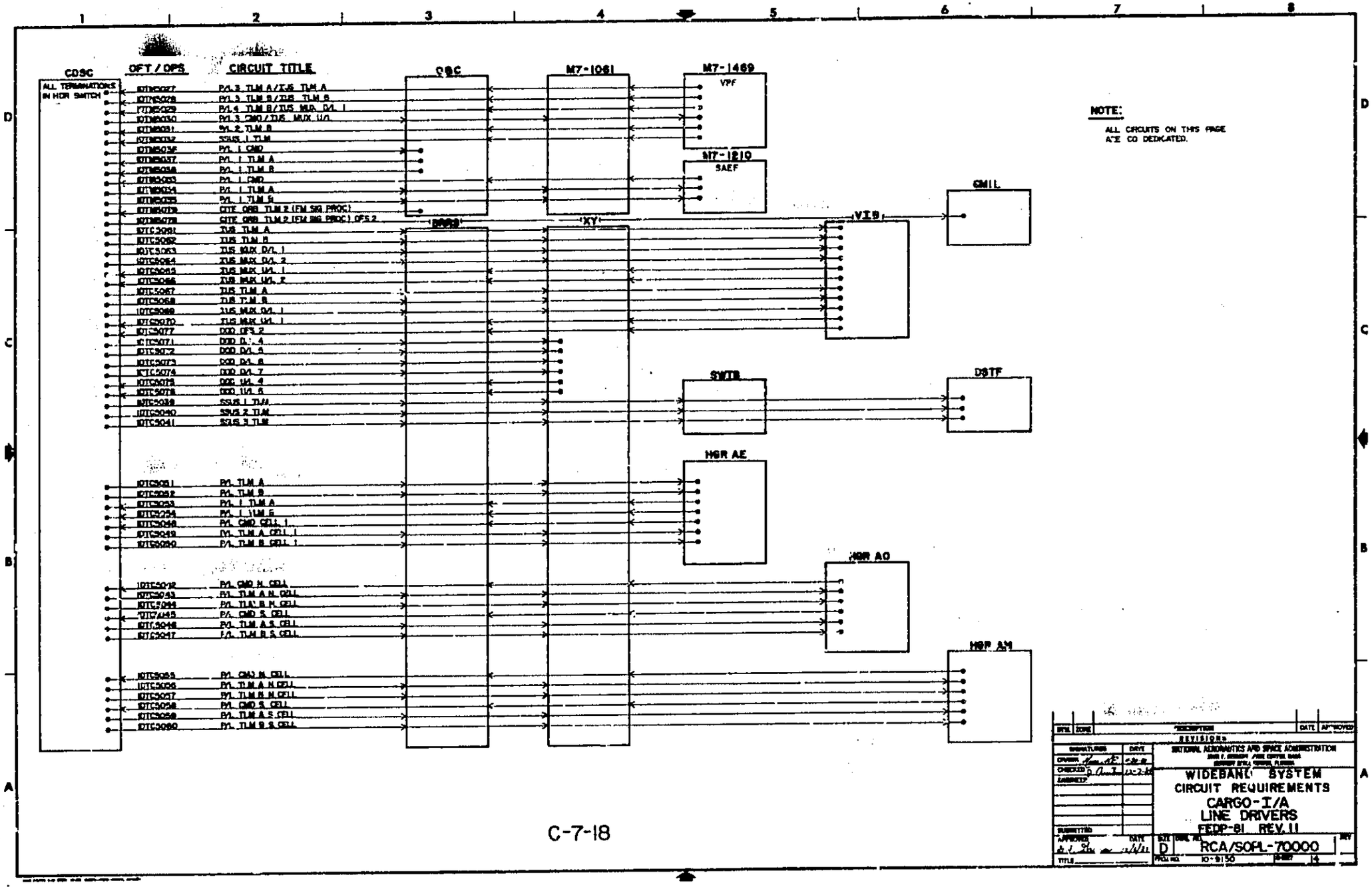
REVISIONS

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

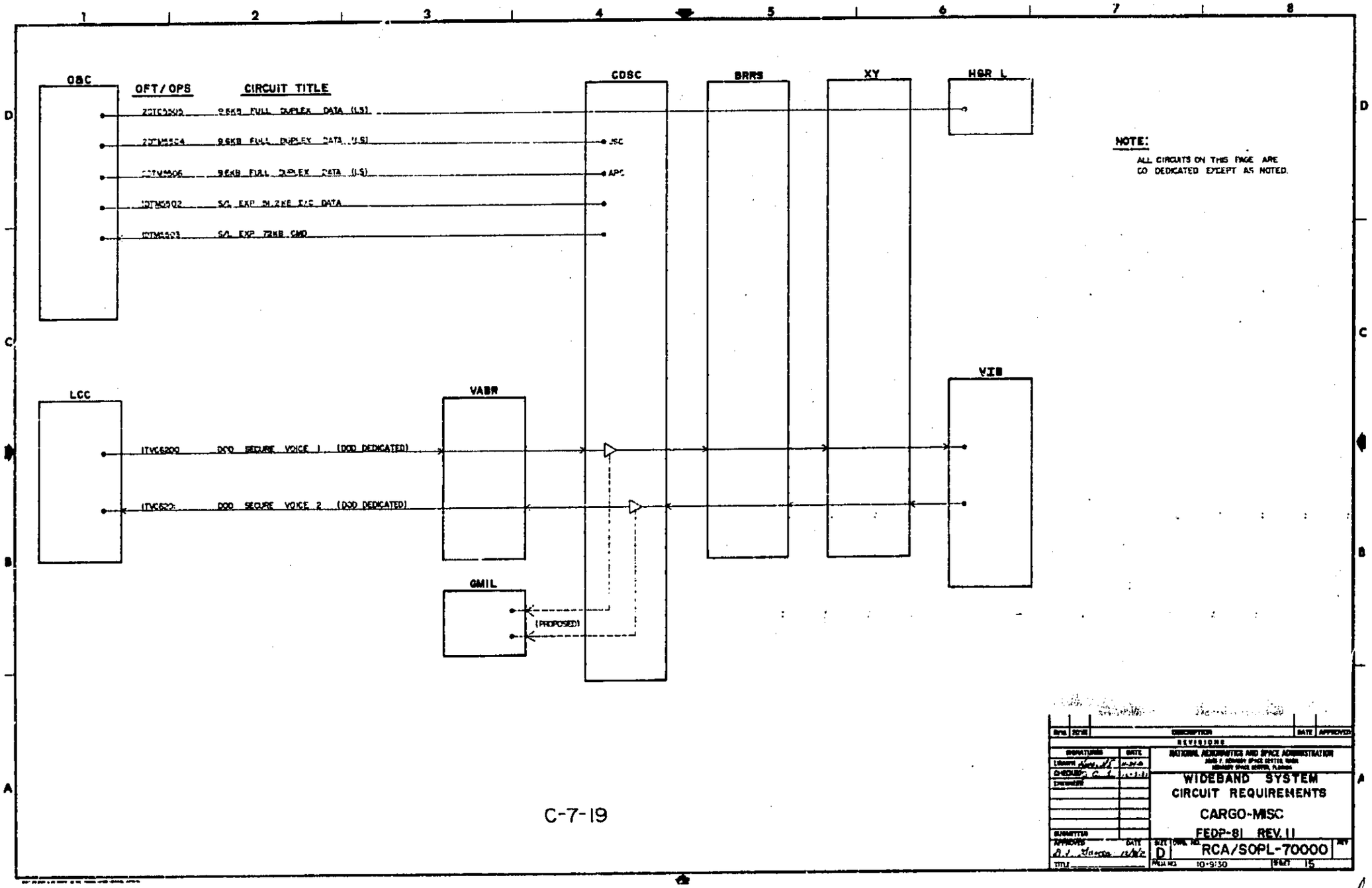
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
CARGO-PADS
LINE DRIVERS
FEDP-81, REV II

SIZE D | DWG. NO. RCA/SOPL-70000 | REV
FISCAL NO. 0-9130 | SHEET 15

497


CDSC
OFT / OPS
CIRCUIT TITLE
ALL TERMINATIONS IN HDR SWITCH
CDSC
M7-1061
M7-1469
VPF
M7-1210
SAEF
GMIL
VIB
DDDD
XY
SWTB
DSTF
HGR AE
HGR AO
HGR AM
NOTE:
ALL CIRCUITS ON THIS PAGE A'E CO DEDICATED.
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
CARGO-I/A
LINE DRIVERS
FEDP-81 REV. H
RCA/SOPL-70000
D
10-9150

498


OSC
OFT/OPS
CIRCUIT TITLE
2QTC0503 9.6KB FULL DUPLEX DATA (U.S)
2QTM5504 9.6KB FULL DUPLEX DATA (U.S)
2QTM5506 9.6KB FULL DUPLEX DATA (U.S)
1QTM5502 S/L EXP 19.2KB E/C DATA
1QTM5503 S/L EXP 72KB CMD
GDSC
BRRS
XY
HGR L
JSC
APC
LCC
1TVC6200 DOD SECURE VOICE 1 (DOD DEDICATED)
1TVC6202 DOD SECURE VOICE 2 (DOD DEDICATED)
VABR
GMIL
(PROPOSED)
VIB
NOTE:
ALL CIRCUITS ON THIS PAGE ARE CO DEDICATED EXCEPT AS NOTED.
REVISIONS
DESCRIPTION
DATE
APPROVED
SIGNATURES
DRAWN
CHECKED
SUBMITTED
APPROVED
TITLE
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
CARGO-MISC
FEDP-81 REV. II
SIZE D
RCA/SOPL-70000
REV
10-9130
SHEET 15

499

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-9			2. REPLACES PAGE (S) DATED	3. PAGE NO. C-9-1
				4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION				

11. COMMUNICATIONS CENTER FACILITIES

UDS FORM S G/C
JULY 70

500

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-9 COMM CENTER FACILITIES		2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. C-9-2 4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION			

8. ITEM NO.

11.

6. Full duplex circuits to/from Hangar AF, VAB, and O&C Com. Centers.

7. Send capability to PAFB and CIF.

VAB COMMUNICATIONS CENTER

A. Location: Room 2M6, VAB.
B. Hours of Operations: 0730-1930, Monday through Friday.
C. Circuits/Capabilities.

1. NASA High Speed Facsimile Network. (RAPIFAX)
2. NASA Low Speed Facsimile Network.
3. Full duplex teletype circuit to KSC Headquarters Comm. Center provides capability or sending/receiving via all KSC circuits.

O&C COMMUNICATIONS CENTER (Temporarily Closed)

A. Location: Room 1098, O&C Building.
B. Hours of Operaton: TBD
C. Circuits/Capabilities.

1. Full duplex teletype circuit to KSC Headquarters Comm. Center.

AE COMM CENTER

A. Location: Room 137, Hangar AE, CCAFS
B. Hours of Operation: 0800-1630, Monday through Friday
C. Circuits/Capabilities.

1. NASA High Speed FAX.
2. NASA Low Speed FAX.
3. Full duplex to KSC Headquarters Comm Center.
4. GSFC Tracking Network.

5701

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JULY 70

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-9 COMM CENTER FACILITIES		2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. C-9-3 4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION			

8. ITEM NO.

11.

6. Full duplex circuits to/from Hangar AE, VAB, and O&C Com. Centers.

7. Send capability to PAFB and CIF.

VAB COMMUNICATIONS CENTER

A. Location: Room 2M6, VAB.
B. Hours of Operations: 0730-1930, Monday through Friday.
C. Circuits/Capabilities.

1. NASA High Speed Facsimile Network. (RAPIFAX)
2. NASA Low Speed Facsimile Network.
3. Full duplex teletype circuit to KSC Headquarters Comm. Center provides capability or sending/receiving via all KSC circuits.

O&C COMMUNICATIONS CENTER (Temporarily Closed)

A. Location: Room 1098, O&C Building.
B. Hours of Operaton: TBD
C. Circuits/Capabilities.

1. Full duplex teletype circuit to KSC Headquarters Comm. Center.

AE COMM CENTER

A. Location: Room 137, Hangar AE, CCAFS
B. Hours of Operation: 0800-1630, Monday through Friday
C. Circuits/Capabilities.

1. NASA High Speed FAX.
2. NASA Low Speed FAX.
3. Full duplex to KSC Headquarters Comm Center.
4. GSFC Tracking Network.

502

1. CLASSIFICATION: K-SM-10.2.81

(PAGE TITLE) SECTION C-10			2. REPLACES PAGE (S) DATED	3. PAGE NO. C-10-1
				4. DATE 2-7-79
5. PROGRAM TITLE FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 5
10. LOCATION				

11.

TIMING

1. CLASSIFICATION K - SH -10.2.81

(PAGE TITLE) SECTION C - 10 TIMING	2. REPLACES PAGE (S) C - 10 - 2 (Rev. 6) DATED 6-25-79	3. PAGE NO. C - 10 - 2
		4. DATE 12-1-81
5. PROGRAM TITLE FEDP 81	9. TEST CODE / 6. PROGRAM NO.	7. REVISION NO. 11

8.	10. TIMING SIGNAL		11 A	12 A	13 A	14 A	15 A	16 A	17 A	18 A	19 A	20 A	21 A	22 A	23 A	24 A	25 A	26 A	27 A	28 A	29 A	30 A	31 A	32 A	33 A	34 A	35 A	37 REFERENCE NOTES
			IRIG - A	IRIG - B	IRIG - D	IRIG - E	IRIG - H	IRIG - B MOD	1 PPS	1 KPPS	1 KHZ	10 KHZ	AMR - BI															
		B																										
	36. STATION OR LOCATION	A																										
	VPF			X		X																						
	SAEF #2			X																								
	O&C RM. 1220		X	X	X	X	X	X	X	X	X	X	X															
	O&C RM. 2221							X	X			X																
	O&C RM. 3245										X																	

UDS FORM R 229
JULY 70

1. CLASSIFICATION _____

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-11			2. REPLACES PAGE (S) DATED	3. PAGE NO. C-11-1 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION				

11. COUNTDOWN

1. CLASSIFICATION K -SM - 10.2.81

(PAGE TITLE) SECTION C - 11 COUNTDOWN			2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. C - 11 - 2
				4. DATE 12-1-81
5. PROGRAM TITLE FEDP 81		9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11

8.	10. O&C SELECT SWITCH	COUNTDOWN DISPLAY TYPE		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	37 REFERENCE NOTES
			A	1KT	2KT	5KT																							
			B																										
		36. STATION OR LOCATION	A																										
O&C BLDG.	6-1	Basement, Column 33-34			X																								
	3-1	Altitude Chamber R-30 Ft.		X																									
		Rm. 2227A, Southwall			X																								
		Rm. 2227B, S.E. Corner			X																								
		Rm. 2227C, Southwall		X																									
		Rm. 1435, Stairwell			X																								
		Pump Room																											
	3-2 (GHT)	Rm. 2227A, Southwall			X																								
		Rm. 2227B, S.E. Corner			X																								
		Rm. 2227C, Southwall		X																									
		Rm. 1435, Stairwell			X																								
		Pump Room																											
	1-2	Low Bay Test Station #1 N.W. Corner			X																								
		Low Bay Test Station #1 N.E. Corner			X																								
		Low Bay Test Station Topside			X																								

UDS FORM R 229
JULY 70

1. CLASSIFICATION _____

506

1. CLASSIFICATION K - SH - 10.2.81

(PAGE TITLE) SECTION C-11 COUNTDOWN				2. REPLACES PAGE (S) ADDED DATED		3. PAGE NO. C - 11 - 2	
						4. DATE 12-1-81	
5. PROGRAM TITLE FEDP 81			9. TEST CODE	6. PROGRAM NO.		7. REVISION NO. 11	

8.	10. O&C SELECT SWITCH	COUNTDOWN DISPLAY TYPE		11 1KT	12 2KT	13 5KT	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	37 REFERENCE NOTES
			A																										
			B																										
		36. STATION OR LOCATION	A																										
O&C BLDG.	4-4	Rm. 1138		X																									
	5-1	Rm. 1220, Rack 1		X																									
		W. Integrated Test Sta. S.E. Corner			X																								
	2-2	Rm. 1114, S.E. Wall			X																								
		Rm. 1114, S.W. Wall			X																								
		Rm. 2148, Ceiling			X																								
		Rm. 3121, North Wall			X																								
	4-2	Rm. 2276, South Door			X																								
	1-1	Rm. 3233, South Wall			X																								
		Rm. 3233, East Wall			X																								
		Rm. 3240, Door			X																								
		Rm. 3245, Rack 8878A 1		X																									
	3-3	Rm. 3287, East Wall			X																								
		Rm. 3284, Rack South Wall		X																									
	5-3	Rm. 4266, Rack B4			X																								

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JULY 70

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1. CLASSIFICATION _____

1. CLASSIFICATION K - SM - 10.2.81

(PAGE TITLE)	2. REPLACES PAGE (S)	3. PAGE NO.
SECTION C - 11 COUNTDOWN	ADDED DATED	C - 11 - 4
		4. DATE 12-1-81
5. PROGRAM TITLE FEDP 81	9. TEST CODE / 6. PROGRAM NO.	7. REVISION NO. 11

8.	10.			11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	37 REFERENCE NOTES
	O&C SELECT SWITCH	COUNTDOWN DISPLAY TYPE	A	1KT	2KT	5KT																							
			B																										
		36. STATION OR LOCATION	A																										
O&C BLDG.	5-4	Rm. 4266, Rack B6			X																								
	4-3	Rm. 4286, South Wall			X																								
		Rm. 4266, Rack B5			X																								
	4-5	Rm. 4286, North Wall			X																								
		Rm. 4266, Rack B5			X																								
	GMT	Rm. 4297, South Wall			X																								
	3-5	Rm. 1263			X																								
	3-4	Rm. 1263			X																								
	6-1	Rm. 1485, Low Bay South Wall				X																							
	6-2	Rm. 1485, Low Bay South Wall				X																							
	2-1	Rm. 3247			X																								
		Rm. 3251			X																								

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UDS FORM R 229
JULY 70

1. CLASSIFICATION _____

1. CLASSIFICATION K - SM - 10.2.81

(PAGE TITLE) SECTION C - 10 COUNTDOWN	2. REPLACES PAGE (S) ADDED DATED	3. PAGE NO. C - 11 - 5
		4. DATE 12-1-81
5. PROGRAM TITLE FEDP 81	9. TEST CODE	6. PROGRAM NO. / 7. REVISION NO. 11

8.	10. O&C SELECT SWITCHES	COUNTDOWN DISPLAY TYPE	A/B	11 1KT	12 2KT	13 5KT	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	37 REFERENCE NOTES
		36. STATION OR LOCATION	A																										
O&C BLDG.	1-3	Rm. 3247			X																								
		Rm. 3251			X																								
	1-4	Rm. 3255, Console #1			X																								
		Rm. 3259, Console #1			X																								
	1-5	Rm. 3255, Console #2			X																								
		Rm. 3259, Console #2			X																								

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JULY 70

1. CLASSIFICATION

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-12			2. REPLACES PAGE (S) DATED	3. PAGE NO. C-12-1 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION				

11. MISCELLANEOUS SUPPORT

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-12 MISCELLANEOUS			2. REPLACES PAGE (S) DATED	3. PAGE NO. C-12-2 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION				

11. TEST EQUIPMENT CALIBRATION AND LOAN POOL

1. Provide for the calibration and repair of test equipment.
2. Provide a test equipment loan pool.

MAGNETIC TAPE CERTIFICATION

Provide for the certification of flight and GSE magnetic tapes.

UPPER STAGE FACILITY MEASUREMENTS

Provide the capability to measure, record and display facility critical parameters.

DATA EVALUATION

Provide a Data Storage and Evaluation area, in the O&C facility for IUS/Spacelab.

511

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION C-12			2. REPLACES PAGE (S) DATED 02-07-79	3. PAGE NO. C-12-3
				4. DATE 12-01-81
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION				

11. UPPER STAGE

1. Provide the capability to record and play back data for post-test display. (Satisfied by RPA/RPS in the O&C)

2. Provide the capability for the IUS to receive from and transmit to external points while inside the IPF, in the band frequency range.

   Additionally, Provide payloads with the capability to receive from the transmit to external points in the S, X, C and KU frequency bands. During Payload/IUS Cargo Integration.

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION D		2. REPLACES PAGE (S) DATED	3. PAGE NO. D-0-1
			4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION			

8. ITEM NO.	11.
	PUBLIC AFFAIRS This section lists the communication plans for Public Affairs on a system by-system-basis.

UDS FORM 5 G/B
JULY 70

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION D-1			2. REPLACES PAGE (S) DATED	3. PAGE NO. D-1-1 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION				

11. AUDIO EQUIPMENT/CIRCUITS

STK

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION D-1 OIS END INSTRUMENTS INSTRUMENT LOCATIONS	2. REPLACES PAGE (S) D-1-2 DATED 8-1-80	3. PAGE NO. D-1-2
		4. DATE 06-01-81
5. PROGRAM TITLE: FEDP 81 9. TEST CODE	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	11.	12.	13. LOCATION	14. QUANTITY AND TYPE UNIT						
				58	51	52	53	17	19	UTC
			KSCNF							
			PRESS SITE					7		3
			PIO BLDG	2				2		
			GRANDSTAND BOOTH					1		
			BARGE TERMINAL							
			VIP SITE					1		
			LACB							
			LCC							
			CR-4					1		
			OMR CONS CR-1		1			2		
			AA-1 CONS CR-1							

UDS FORM S G/B
JULY 70

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION D-1			2. REPLACES PAGE (S) DATED	3. PAGE NO. D-1-17 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION				

11.

AUDIO RECORDING

Audio recording capability at the KSC Press Site to record ten-voice circuits.

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION D-2			2. REPLACES PAGE (S) DATED	3. PAGE NO. D-2-1 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION				

11. POINT TO POINT

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JULY 70

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION D-2 POINT-TO-POINT	2. REPLACES PAGE (S) DATED 2-7-79	3. PAGE NO. D-2-2
		4. DATE 6-01-81
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. USE		11. TYPE OF SERVICE	12. QTY	13. LOCATION OF OPERATING TERMINALS						14. PURPOSE AND REMARKS
						FROM			TO			
		A. ADMIN	C. OPS			A. STA	B. BLDG	C. ROOM	A. STA	B. BLDG	C. ROOM	
TI-COM-1				Point to Point Telephone Circuit (2BPM1037)	1	KSC	LCC, Cons. AA-1	CR1	KSC	Press Site	PAO Cntl Cntr	
TI-COM-2				Point to Point Telephone Circuit (2BPM454)	1	KSC	LCC, OMR PAO Cons.	CR1 OR CR2	KSC	VIP View Site	-	
TI-COM-3				Point to Point Telephone Circuit	1	KSC	Press Site	PAO Cntl Cntr	KSC	Press Site	TV Pool Dir.	
TI-COM-4				Point to Point Telephone Circuit (2BPM014)	1	KSC	Press Site	PIO Bldg.	KSC	Press Site	Guard Gate	
TI-COM-5				Point to Point Telephone Circuit (2BPM006)	1	KSC	Press Site	PAO Cntl Cntr	KSC	CDSC	Tech Conc	
TI-COM-6				Point to Point Telephone Circuit (2BPM013)	1	KSC	Press Site	PAO Cntl Cntr	KSC	CDSC	Wire Test Bd.	
TI-COM-7				Point to Point Telephone Circuit (2BPM1038)	1	LCC	Press Site	PAO Cntl Cntr	KSC	LCC	OTV TVCC-1	

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION D-2 POINT-TO-POINT	2. REPLACES PAGE (S) DATED 2-7-79	3. PAGE NO. D-2-3
		4. DATE 6-01-81
5. PROGRAM TITLE: FEDP-81	6. PROGRAM	7. REV. NO. 10

8. ITEM NO.	9. TEST CODE	10. USE A. ADMIN	10. USE C. OPS	11. TYPE OF SERVICE	12. QTY	13. LOCATION OF OPERATING TERMINALS FROM A. STA	FROM B. BLDG	FROM C. ROOM	TO A. STA	TO B. BLDG	TO C. ROOM	14. PURPOSE AND REMARKS
TI-COM-8				Point to Point Telephone Circuit (2BPM456)	1	KSC	VIP View Site	-	KSC	Pelican View Area	-	
TI-COM-9				Point to Point Telephone Circuit (2BPM457)	1	KSC	VIP View Site	-	KSC	Sea gull View Area	-	
TI-COM-10				Point to Point Telephone Circuit (2BPM458)	1	KSC	VIP View Site	-	KSC	VAB View Area		
TI-COM-11				Point to Point Telephone Circuit	1	KSC	VIP View Site	-	KSC	Knndy Pkwy View Area		
TI-COM-12				Point to Point Telephone Circuit	1	KSC	OMR Media Seats	CR1 or CR2	KSC	Press Site	Grand Stand	

UDS FORM R 227
JULY 70

5/18

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION D-3			2. REPLACES PAGE (S)D-3-1 DATED 2-7-79	3. PAGE NO. D-3-1 R 4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION				

11.

SPECIAL AUDIO

REFERENCE SECTION D-1

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION D-4			2. REPLACES PAGE (S) DATED	3. PAGE NO. D-4-1 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION				

11. RF COMMUNICATIONS

UDS FORM S G/C
JULY 70

520

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION D-4 RF COMMUNICATIONS		2. REPLACES PAGE (S)D-4-2 DATED 8-1-80	3. PAGE NO. D-4-2
			4. DATE 6-01-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 10
10. LOCATION			

8. ITEM NO.	9. TEST CODE	11. * RF Communications

RF Comm. Net 308 and Net 108 are is required in support of PAO/PIO functions.

The following equipment is required to operate on Net 308:

(a) 1 Each base station

(b) 170 Each pocket pagers

(c) Remote units installed in CDSC Room 116 and Bldg M6-791

Net 108 is required to appear TX/RX on the following consoles:

(a) CR1 or CR2, Console AA1 (51 Unit)

(b) CDSC Room 132 (17 Unit)

(c) KSC Press Site, Audio Control Center Cons 0918.

(d) Off Site News Center (17 Unit)

(e) KSC Press Site, PIO Press Bldg. (17 Unit)

* Radio Net 108 was previously baselined in REV 3 FEDP 81. This page is listed here to maintain Section D continuity.

R

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION D-5			2. REPLACES PAGE (S)D-5-1 DATED 2-7-79	3. PAGE NO. D-5-1
				4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION				

11. PAGING AND MISCELLANEOUS EQUIPMENT

UDS FORM S G/C
JULY 70

S-22

1. CLASSIFICATION _____

(PAGE TITLE) SECTION D-5 PAO VIEWING AREA PAGING AND MISCELLANEOUS EQUIPMENT	2. REPLACES PAGE (S) D-5-3 DATED 8/1/80	3. PAGE NO. D-5-3
		4. DATE 6/1/81
5. PROGRAM TITLE	6. PROGRAM NO.	7. REVISION NO. 10 R
9. TEST CODE		

8. ITEM NO.	10. TYPE INST	NET TITLE OR NUMBER	A	11 PA Speakers	12 Local Page	13 PA Amps As Required	14 PA System As Installed	15 Outside Mike	16 Inside Mike	17 Wireless Mike	18 Lavalier Mike	19 Recorders Remote Control	20 Broadcast Console	21 FM Tuner	22 Dist. Box for Visitors & Press	23 2 to 4 Wire Converters	24 Audio 17 Unit	25 Audio UTC Unit	26 RF-OIS 51 Unit	27 P-T-P Panel	28	29	30	31	32	33	34	35	37 REFERENCE NOTES
		36. STATION OR LOCATION	B																										
			A																										
		Pelican Plaza Viewing		18	X	1	X	3																					
		Seagull Terrace Viewing		37	X	2	X	3																					
		VIP Viewing		6	X	1	X	3												1									
		Kennedy Parkway Viewing		18	X	1	X	2																					
		O&C Astro Exit C-7			X		X																						
		Training Auditorium			X	2	X																						
		Astro Dependent View		7	X	2	X																						
		KSC Press Site(General)										X	1				7	3		3									
		" " "(Grandstand Booth)															1												
		OLF Viewing Site																											
		OLF Interview Site																											
		KSC Press Site, PIO Bldg.															2			1									
		OMR PAO Console,															2			1									
		AM, 18, 19, 20																											
		CR 4 PAO Console		3	X	2	X													1									
		LCC Rooftop VIP View		3		2																							
		O&C Mission Brief. Rm.			X	2	X																						
		CR 1 Console AA-1																	1										

593

UDS FORM R 229
JULY 70

1. CLASSIFICATION _____

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION D-6 **PAO TELEVISION**		2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. D-6-1 4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION			

8. ITEM NO.	11.
	PAO TELEVISION

UDS FORM S G/B
JULY 70

1. CLASSIFICATION _____

(PAGE TITLE) SECTION D-6 PAO MONITORS (B/W)			2. REPLACES PAGE (S) D-6-2 DATED 08-01-80	3. PAGE NO. D-6-2 4. DATE 10-08-81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION KSC NEWS FACILITY				

11.

MONITOR NUMBER	TYPE	LOCATION
001	15-INCH	KSCNF, 0927A2
002	8-INCH	KSCNF, 0932A1A1
003	8-INCH	KSCNF, 0932A1A2
004	8-INCH	KSCNF, 0933A1A1
006	8-INCH	KSCNF, 0933A1A2
007	8-INCH	KSCNF, 0934A1A1
008	8-INCH	KSCNF, 0934A1A2
009	8-INCH	KSCNF, 0935A1A1
010	8-INCH	KSCNF, 0935A1A2
011	8-INCH	KSCNF, 0932A2A1
012	8-INCH	KSCNF, 0932A2A1
013	8-INCH	KSCNF, 0933A2A2
014	8-INCH	KSCNF, 0934A2A1
015	8-INCH	KSCNF, 0934A2A2
016	8-INCH	KSCNF, 0935A2A1
017	8-INCH	KSCNF, 0935A2A2
018	8-INCH	KSCNF, 0932A3A1
019	8-INCH	KSCNF, 0932A3A2
020	8-INCH	KSCNF, 0933A3A1
021	8-INCH	KSCNF, 0933A3A2
022	8-INCH	KSCNF, 0934A3A1
023	8-INCH	KSCNF, 0934A3A2
024	8-INCH	KSCNF, CHAR. GEN. TABLE A1
025	8-INCH	KSCNF, CHAR. GEN. TABLE A2
026	14-INCH	KSCNF, VR-2000-1
027	14-INCH	KSCNF, VR-2000-2
028	8-INCH	KSCNF, 0935A3A1
029	8-INCH	KSCNF, 0935A3A2
030	8-INCH	KSCNF, FILM CHAIN
031	8-INCH	KSCNF, 0931A14A1
032	8-INCH	KSCNF, 0931A14A2
033	8-INCH	KSCNF, 0940A1A1
034	8-INCH	KSCNF, 0940A1A2
035	8-INCH	KSCNF, 0940A1A3
036	8-INCH	KSCNF, 0941A1A1
037	8-INCH	KSCNF, 0941A1A2
038	8-INCH	KSCNF, 0941A1A3

UDS FORM 8 G/C
JULY 70

1. CLASSIFICATION _____

S7-

1. CLASSIFICATION _____

(PAGE TITLE) SECTION D-6 PAO MONITORS (COLOR)			2. REPLACES PAGE (S) D-6-3 DATED 06-01-81	3. PAGE NO. D-6-3 4. DATE 10-08-81
5. PROGRAM TITLE FEDP-81	8. ITEM NO.	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11
10. LOCATION KSC NEWS FACILITY				

11.

MONITOR NUMBER	TYPE	LOCATION
CM1	19-INCH	KSCNF, 0928A2
CM2	13-INCH	KSCNF, 0933A4
CM3	13-INCH	KSCNF, 0934A4
CM4	13-INCH	KSCNF, 0935A4
CM5	9-INCH	KSCNF, 0936A1A1
CM6	9-INCH	KSCNF, 0936A1A2
CM7	9-INCH	KSCNF, 0936A2A1
CM8	9-INCH	KSCNF, 0936A2A2
CM9	9-INCH	KSCNF, 0936A3A1
CM10	9-INCH	KSCNF, 0936A3A2
CM11	19-INCH	KSCNF, 0939A1
CM12	9-INCH	KSCNF, 0943A1A1
CM13	9-INCH	KSCNF, 0943A1A2
CM14	12-INCH	KSCNF, CHASE PLANE CONSOLE
CM15	12-INCH	KSCNF, FILM CHAIN

1. CLASSIFICATION _____

S26

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION D-6 PAO MONITORS		2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. D-6-4 4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION VIC EDUCATIONAL LIBRARY			

8. ITEM NO.	11.

MONITOR NUMBER	QUANTITY	TYPE	LOCATION
N/A	2	12 INCH C. RCVR/MON	SHELF MOUNT
N/A	1	19 INCH C. RCVR/MON	DUBBING CONSOLE
N/A	1	25 INCH C. RCVR/MON	WALL MOUNT

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UDS FORM S G/B
JULY 70

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION D-6 PAO MONITORS		2. REPLACES PAGE (S) D-6-5 DATED 06-01-81	3. PAGE NO. D-6-5 4. DATE 10-08-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION MISC.			

8. ITEM NO.	11. MONITOR DESIGNATION	QUANTITY	TYPE	LOCATION	
	N/A	1	LARGE SCREEN PROJ.	TRAINING AUDITORIUM (M7-351)	R
	N/A	3	25 INCH C RCVR/MON	MISSION BRIEFING ROOM (M7-355)	
	N/A	2	25 INCH C RCVR/MON	HEADQUARTERS LOBBY (M6-399)	
	N/A	2	25 INCH C RCVR/MON	LCC LOBBY	
	N/A	2	25 INCH C RCVR/MON	FIRING ROOM 4	
	960, 961, 962, 963	4	8 INCH	FR-1 OMR PAO CONSOLE	R
	964	1	14 INCH C RCVR/MON	FR-1 BEHIND CONSOLE AA-1	R

UDS FORM S-6/B

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION D-6 PAO CAMERAS		2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. D-6-6 4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION			

8. ITEM NO.	11.
	PAO CAMERAS

UDS FORM S G/B
JULY 70

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION D-6 PAO CAMERAS		2. REPLACES PAGE (S) D-6-7 DATED 06-01-81	3. PAGE NO. D-6-7
			4. DATE 10-08-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION			

R

8. ITEM NO.

11.

CAMERA TYPE	LOCATION	SUBJECT TO BE VIEWED	REMARKS
TK 760	VAB ROOF (TV-5)	AS DIRECTED	*
TK 760	COLOR VAN 4 (TV-4)	AS DIRECTED	UTILIZED AT UCS 4 & KSCNF
TK 76	MOBILE VAN 1 (TV-1)	AS DIRECTED	* UTILIZED AT O&C, UCS 15 & KSCNF
TK 76	MOBILE VAN 2 (TV-2)	AS DIRECTED	* UTILIZED AT O&C, SLF CONVOY
TK 76	MOBILE VAN 3 (TV-3)	AS DIRECTED	UTILIZED AT UCS 3, KSCNF
TK 76	FIRING ROOM 1 (TV-9)	FIRING ROOM ACTIVITY	**
TK 76	FIRING ROOM 1 (TV-10)	FIRING ROOM ACTIVITY	**
TK 76	PAD A CAMERA SITE 2 (TV-7)	AS DIRECTED	
TK 76	WHITE ROOM (TV-8)	WHITE ROOM ACTIVITY	
TK-76	SLF - MDD (TV-6)	CONVOY/LANDING-ACTIVITY	* BORROWED
TK-76	SLF TV TWR #1 (TV-11)	CONVOY/LANDING ACTIVITY	* BORROWED

* TO BE UTILIZED IN THE EVENT OF RTLS.

** AFTER AOA CLEAR, TO BE UTILIZED AT DRYDEN FOR LANDING

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UDS FORM S-6/8

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION D-6 PAO SPECIAL EQUIPMENT		2. REPLACES PAGE (S) D-6-8 DATED 06-01-81	3. PAGE NO. D-6-8
			4. DATE 10-08-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION			

8. ITEM NO.	11. TYPE	MODEL NO.	QUANTITY	LOCATION	
	SOURCE SYNCHRONIZER	VSS-160N	16	CAMERA SITE 2 VAB ROOF PTCR ROOM 204 LCC ROOM 1P2 (4) MOBILE VANS 1,2,3,4 KSCNF (2) PAFB IGOR MALABAR TRACKER SLF MDD	
	SYNC COMPARATOR	CSC165N	5	LCC ROOM 1P2 (2) KSCNF (3)	
	FRAME SYNCHRONIZER/TIME BASE CORRECTOR	2525/VW-1	6	KSCNF	R
	VITS/VIRS SIGNAL GENERATOR	R149A	1	KSCNF	
	AUDIO DUAL MONO MIXER AMP	AC-60V	1	KSCNF	
	AUDIO MIXER	M67/ALTEC	4	MOBILE VANS 1,2,3,4	R
	FILM CHAIN	TK-29B	1	KSCNF	R
	CHARACTER GENERATOR	D 3016	1	KSCNF	
	RANDOM ACCESS DISK MEMORY	D-4500	1	KSCNF	R
	PRODUCTION SWITCHER 16 INPUT	1600-2V	1	KSCNF	
	INTERRUPTER SWITCHER 23 INPUT	N/A	1	KSCNF	R
	VIDEO CHROMA KEY SELECT SWITCH(24X1)	V1420-24SL	1	KSCNF	R
	VIDEO KEY SELECT SWITCH (24X1)	V1420-24SL	1	KSCNF	R
	VIDEO ROUTING SWITCHER (30X15)	40X-30X15	1	KSCNF	R
	VERTICAL INTERVAL VIDEO SWITCHER	ADC 560A	4	MOBILE VANS 1,2,3,4	
	6X1 SWITCHER		1	FR-1, BEHIND CONSOLE AA-1	R

531

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION D-6 PAO SPECIAL EQUIPMENT		2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. D-6-9
			4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION			

8. ITEM NO.

11.

TYPE	MODEL NO.	QUANTITY	LOCATION
MICROWAVE TRANSMITTERS	TCM-704B	4	MOBILE VANS 1,2,3 & MINI LOOP
MICROWAVE RECEIVER	TCB-704B	1	MOBILE VAN (MINI LOOP)
MICROWAVE RECEIVERS	TCM-6	3	VAB ROOF
MICROWAVE ANTENNA (TX)	77GR-1	4	MOBILE VANS 1,2,3
MICROWAVE ANTENNA (RX)	70SQ-1	3	VAB ROOF
MICROWAVE ANTENNA (RX)	7LH	1	MOBILE VAN (MINI LOOP)
MOBILE VAN NO. 4 (EXISTING)	N/A	1	MOBILE
MOBILE VANS 1,2,3 (MEDICOACH)	1533	3	* MOBILE

* THE VANS WILL HAVE THE FOLLOWING FEATURES:

A. Environmental Control
B. Self contained power with the capability of accepting shore power.
C. A capability to interface with audio & video land lines.
D. A capability to be synced with existing TV facilities.

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION D-6 PAO RECORDERS		2. REPLACES PAGE (S) NEW DATED	3. PAGE NO. D-6-10 4. DATE 8-1-80
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 8
10. LOCATION			

8. ITEM NO.	11.
	PAO RECORDERS

UDS FORM S G/B
JULY 70

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION D-6 PAO RECORDERS		2. REPLACES PAGE (S) D-6-11 DATED 06-01-81	3. PAGE NO. D-6-11
			4. DATE 10-08-81
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 11
10. LOCATION			

8. ITEM NO.

11.

TYPE	MODEL NO.	QUANTITY	LOCATION	
TAPE EDITOR	BVE 500	2	KSC NEWS FACILITY	
COLOR CASSETTE	BVU 200	4	KSC NEWS FACILITY	
COLOR QUADRUPLEX	VR 2000	3	KSC NEWS FACILITY (1) LCC Room 1P2 (2)	R
COLOR PORTABLE CASSETTE	BVU 100	4	MOBILE VANS 1,2,3,4	R
COLOR PORTABLE CASSETTE	VO 2860	1	VIC	
VIDEO PLAYER	VP 2260	1	VIC	
VIDEO PLAYER	VP 2010	2	VIC	
COLOR, 1" WITH EDITING	TBD	2	KSC NEWS FACILITY	
COLOR CASSETTE	VO 2611	9	KSC NEWS FACILITY	R

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION D-7		2. REPLACES PAGE (S) DATED	1. PAGE NO. D-7-1 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	9. TEST CODE	6. PROGRAM	7. REV. NO. 5

10. LOCATION

8. ITEM NO.	11.
	WIDEBAND

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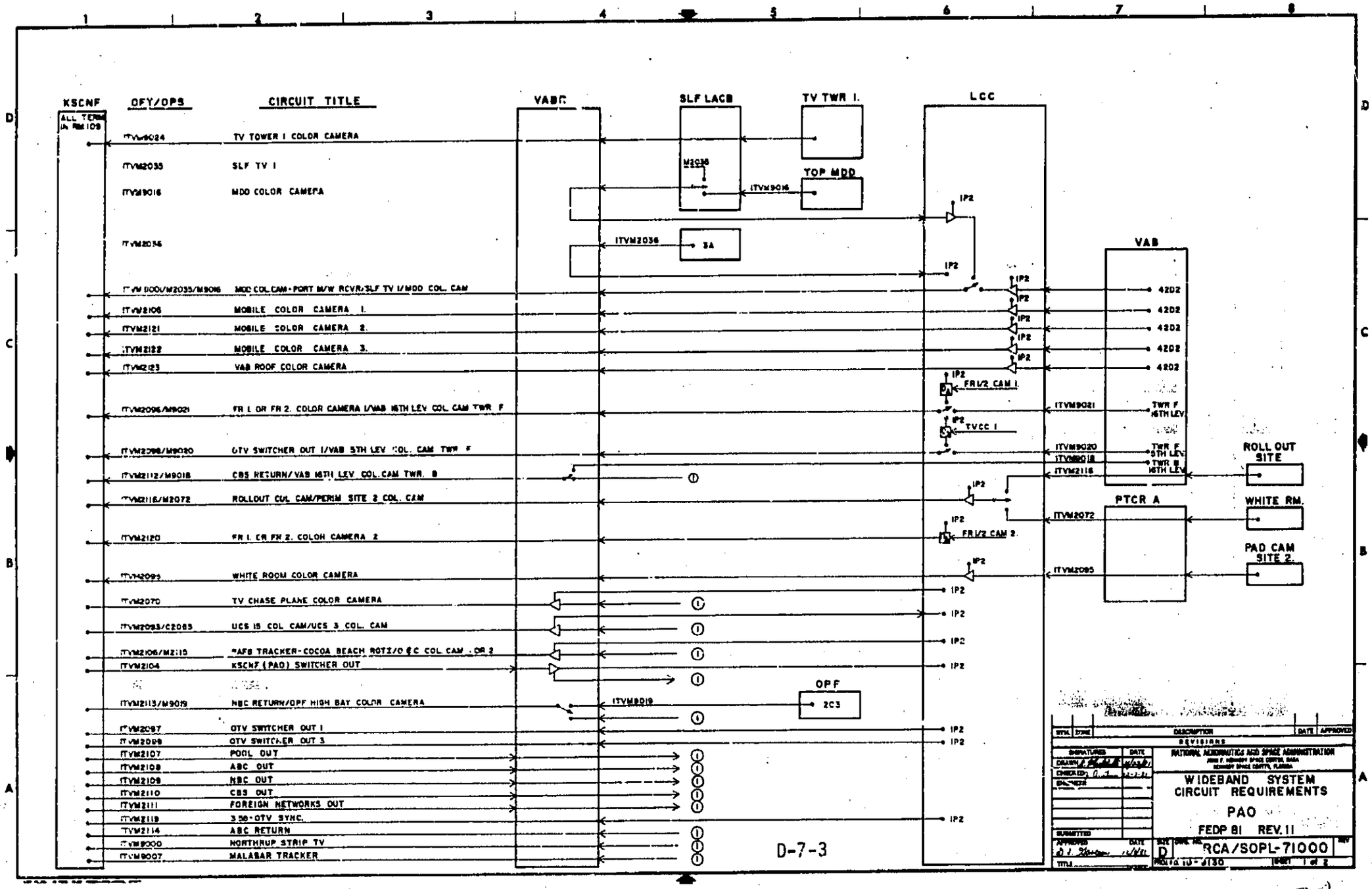
1 CLASSIFICATION

(PAGE TITLE) SECTION D-7		2. REPLACES PAGE (S) D-7-2 DATED 06-01-81	3. PAGE NO. D-7-2
			4. DATE 10-08-81
5. PROGRAM TITLE FEDP-81	9. TEST CODE	6. PROGRAM NO.	7. REVISION NO. 11

8. ITEM NO.	10.
	1. PAGES D-7-3 THRU D-7-5 ARE RESERVED FOR FUTURE USE. 2. 9000 NUMBERED WIDEBAND CIRCUITS ARE INSTALLED ON A TEMPORARY BASIS AND WILL REMAIN ACTIVE AS LONG AS SPARE EQUIPMENT AND CABLE IS AVAILABLE. ESTABLISHED CIRCUITS WILL NOT BE REMOVED WITHOUT PRIOR COORDINATION WITH THE CUSTOMER.


KSCNF
OFY/OPS
CIRCUIT TITLE
VABF
SLF LACB
TV TWR I.
LCC
VAB
TOP MDD
PTCR A
ITVM9024
TV TOWER I COLOR CAMERA
ITVM2035
SLF TV I
ITVM9016
MDD COLOR CAMERA
ITVM2036
ITVM2106
MOBILE COLOR CAMERA 1.
ITVM2121
MOBILE COLOR CAMERA 2.
ITVM2122
MOBILE COLOR CAMERA 3.
ITVM2123
VAB ROOF COLOR CAMERA
ITVM2095/M9021
FR 1 OR FR 2. COLOR CAMERA I/VAB 16TH LEV COL CAM TWR F
ITVM2096/M9020
OTV SWITCHER OUT I/VAB 5TH LEV COL. CAM TWR F
ITVM2112/M9018
CBS RETURN/VAB 16TH LEV COL.CAM TWR. B
ITVM2116/M2072
ROLLOUT COL CAM/PERIM SITE 2 COL. CAM
ITVM2120
FR 1 OR FR 2. COLOR CAMERA 2
ITVM2093
WHITE ROOM COLOR CAMERA
ITVM2070
TV CHASE PLANE COLOR CAMERA
ITVM2093/C2083
UCS 15 COL CAM/UCS 3 COL. CAM
ITVM2105/M2115
*AFS TRACKER-COCOA BEACH ROTI/O & C COL CAM . OR 2
ITVM2104
KSCNF (PAO) SWITCHER OUT
ITVM2113/M9019
NBC RETURN/OPF HIGH BAY COLOR CAMERA
ITVM2097
OTV SWITCHER OUT 1
ITVM2098
OTV SWITCHER OUT 3
ITVM2107
POOL OUT
ITVM2108
ABC OUT
ITVM2109
NBC OUT
ITVM2110
CBS OUT
ITVM2111
FOREIGN NETWORKS OUT
ITVM2113
3.58-OTV SYNC.
ITVM2114
ABC RETURN
ITVM9000
NORTHRUP STRIP TV
ITVM9007
MALABAR TRACKER
M1036
ITVM9016
ITVM2036
3A
IP2
FR1/2 CAM 1
TVCC 1
FR1/2 CAM 2
ITVM9021
TWR F 16TH LEV
ITVM9020
TWR F 5TH LEV
ITVM9018
TWR B 16TH LEV
ITVM2116
ROLL OUT SITE
ITVM2072
WHITE RM.
ITVM2095
PAD CAM SITE 2.
4202
OPF
2C3
ITVM9019
D-7-3
DESCRIPTION
DATE
APPROVED
REVISIONS
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
PAO
FEDP 81 REV. 11
RCA/SOPL-71000
SIZE D
SHEET 1 of 2

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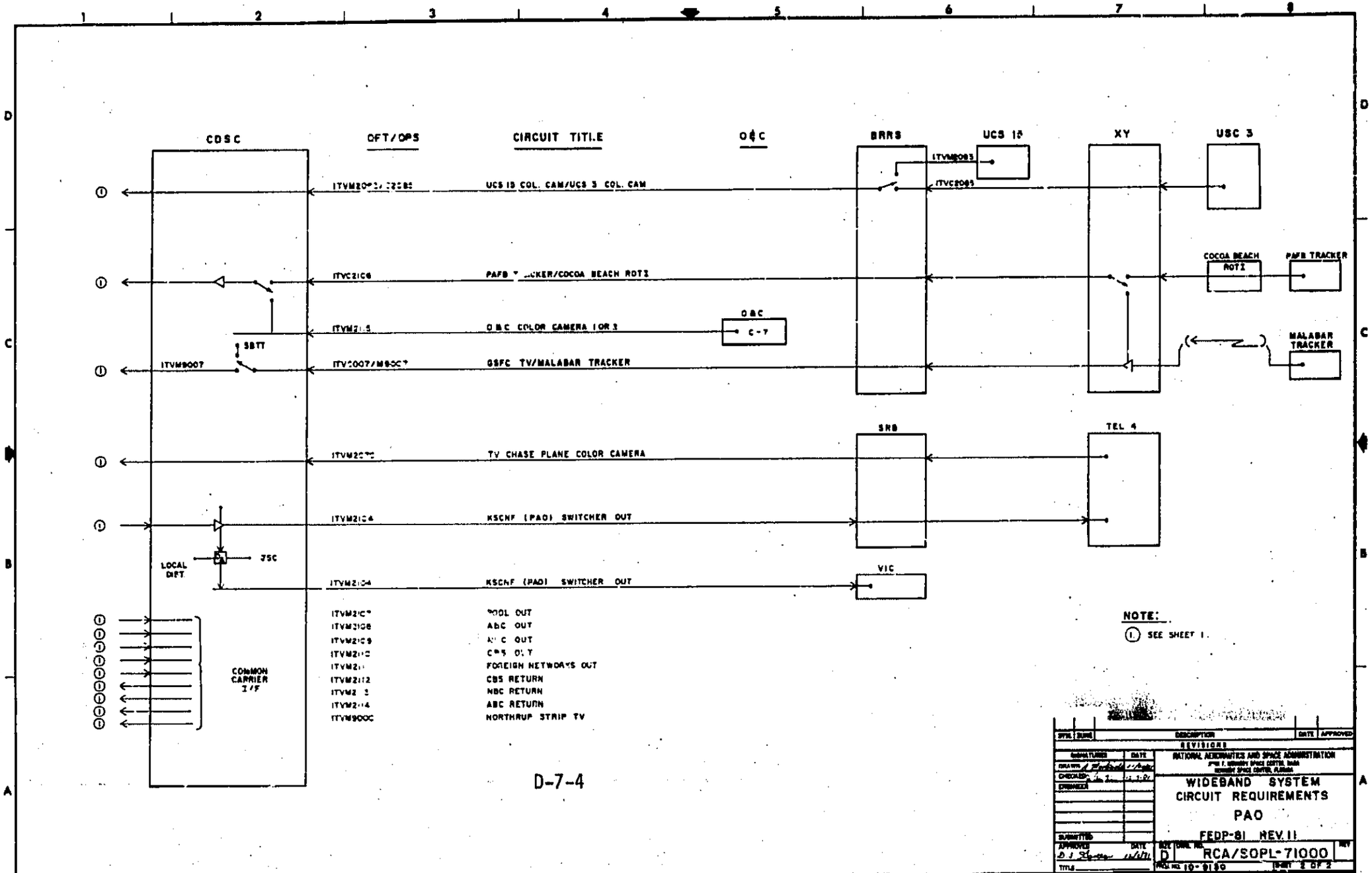

NOTE:

(1) SEE SHEET 1.

D-7-4

SYM.	ZONE	DESCRIPTION	DATE	APPROVED
		REVISIONS		

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

SIGNATURES	DATE
DRAWN	
CHECKED	
ENGINEER	
SUBMITTED	
APPROVED	

WIDEBAND SYSTEM
CIRCUIT REQUIREMENTS
PAO
FEDP-81 REV. II

SIZE D | DWG. NO. RCA/SOPL-71000 | REV
TITLE
PROJ. NO. 10-9180 | SHEET 2 OF 2

538

1. CLASSIFICATION K-SM-10.2.81

PAGE TITLE: SECTION D-8			2. REPLACES PAGE (S) DATED	3. PAGE NO. D-8-1 4. DATE 2-7-79
5. PROGRAM TITLE: FEDP 81	8. ITEM NO.	9. TEST CODE	6. PROGRAM	7. REV. NO. 5
10. LOCATION				
11. COUNTDOWN				

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JULY 70

1. CLASSIFICATION K-SM-10.2.81

(PAGE TITLE) SECTION D-8 COUNTDOWN	2. REPLACES PAGE (S) DATED	3. PAGE NO. D-8-2
		4. DATE 2-7-79
5. PROGRAM TITLE FEDP-81	9. TEST CODE / 6. PROGRAM NO.	7. REVISION NO. 5

8. ITEM NO.	10. TYPE INST	NET TITLE OR NUMBER	A	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	37 REFERENCE NOTES
			A	1KT	2KT	48KT																							
			B																										
		36. STATION OR LOCATION	A																										
		News Center			4																								
		O&C Mission Briefing Rm			2																								
		Training Auditorium			2																								
		KSC Press Site				1																							
		TV/Audio Control-Press Site		1	1																								
		European Broadcast Van			2																								
		NBC Building			3																								
		CBS Building			3																								
		ABC Building			4																								
		WOR Trailer			1																								
		Westinghouse Trailer			1																								
		WRKT			1																								
		N.Y. Times Radio Trailer			1																								
		WCKS Trailer			1																								
		Metro Media Trailer			1																								
		PIO Building			1																								
		Offsite News Center			4																								

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CDS FORM R 229
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1. CLASSIFICATION _____

ASC	O. Henriksen	2	MW-12
CO-CIO	J. Hallmark		MW-23
CO-PMO-3	E. Chaffin		NWSI-D
CP-DPO	E. Popovich		PAFB/ESMC-PAPP
CP-FEO	M. Taylor	2	PRC-1211
CP-FEO	R. Yarbrough		PRC-1215
CP-PCO	W. Paramore		PRC-1220B
CP-SPO	C. Taylor		PRC-1242
CS	F. Bryan		PRC-1243
CS-EPD-3	R. Tilley		PRC-1361
CS-EPD-4	L. Fraiser		PRC-1362
CS-MVD-2	M. Cardone		PRC-1362-A
CS-MVD-2	J. Perkinson		PRC-1374A
CS-MVD-2	C. Roberts		PT-FAP
CS-SHD	J. Hawley		RCA-511.1
CSC-400	W. Saunders		RCA-530
CV-APD-1	A. Mackey		RCA-542
DD-FED-2	W. Cannon		RCA-550
DE	P. Minderman		RCA-6220
DF-FSE	B. Nelson		SF-ENG
DF-PEO-A	J. Bean		SF-SEC-2
DF-PEO-C	H. Hilton		SF-SEC-3
DF-PEO-C	K. Kebalka		SF-SOO-1
DL-DED-1	J. Hegyes		SF-SOO-3
DL-DED-1	D. Stigberg		SP-AF-2
DL-DED-31	C. Hickey		SP-FGS-2
DL-NED-1	A. Kempson	5	SP-PCO
DL-NED-12	D. Shelton		TG-ENR
DL-NED-31	J. Morian		TI
DL-NED-31	L. Piotrowski		TI-COM
DL-NED-32	R. Blais		TI-COM-1
FC-13	R. Shangraw		TI-COM-2
FC-27	Lib-VAB & LCC	2	TI-COM-2
FC-28	Library-O&C	2	TI-COM-3
FT-00	R. Maxwell		TO-OPS
GUSB	G. Jenkins		TO-OPS-1
IBM-D20	W. Scott		TO-OPS-2V
JPL-AM	H. Levy	2	TO-QAL-2
LK	A. Morse		TO-SPD-1
MMC-1	T. Wirth		TO-SPD-2

A. Benjamin		TO-SPD-3
Forms Whse	30	TRW
KSC Lib Docs	2	TS
J. Clarke MU595	2	USBI
H. Frost		USBI-KO-11
L. Myers		USBI-SO-4
T. Pyle		VE-ETD-12
J. Kachnic		VE-FSD
D. Eri		VE-PEO
R. Mullins		VT-OOD-1A
EDC	2	VT-SPD
EDC-2	2	ZK-14
M. Haass	2	ZK-25
D. Moja		ZK-50
J. Morehead	2	ZK-50
J. Brewer		ZK-60
R. Murphy		ZK-89
D. Garceau	5	ARC 244-7
R. Coletti		ARC 244-8
F. Blum		BOEING AEROSPACE CO.
		ATTN: T. Fox
N. Gray		Mail Stop 82-99
R. Kinch		P. O. Box 3999
J. McGough		Seattle, WA 98124
N. Fournier	3	DOD STS GSS DATA DEPOSITORY
R. Smith		P. O. Box 1681
Library		Vandenberg AFB, CA 93437
J. Barfus		GSFC 408 W. Woodruff
J. Conway		
B. DeLoach		
N. Jacobson		
C. Poulsen		
C. Wright		
T. McLeran		
B. Childers		
R. Tharpe		
F. Turner		
V. Doyle		
E. Bishop		
H. Kiesling		

M. Gassman		
E. Sharp		
T. Utsman		
P. Donnelly		
D. Cochran		
H. Larkin		
J. Garcia		
H. Lamberth		
C. Mars		
A. Jonas		
R. Battin		
R. Reedy		
Op Files	2	
P. Meyer		
M. Newton		
G. Nurnberg		
W. Hunsucker		
B. Chin	-	
C. Wiltsee	-	
	-	

GSFC 860.1	A. Dannessa	2
JPL 180-401	P. Barnett	-
JSC JM26		15
LARC 158	F. Allamby	-
MSFC FA34	L. Lawson	-
MSFC NA51	S. Walls	-
NASA HQ MHS-7	R. Livingston	-
NASA HQ OPG-6	G. Esenwein	-
NASA HQ OPS-6	E. Keith	-
NASA HQ OST-5	W. Richie	-
NASA STIF		-
P.O. Box 8757		
Balt/Wash Int'l Airport, MD 21240		
RI-DNY FA46	B. Hunter	-
RI-DNY FA89	STS Data Mgmt	-
SACRAMENTO ALC		-
ATTN: MMACS		
McClellan AFB, CA 95652		
SD/YVCT		5
Attn: M. Bangan		
P. O. Box 92960		
Los Angeles AFS		
Los Angeles, CA 90009		
6595 STG/SO		2
Vandenberg AFB, CA 93437		
TOTAL		189

For distribution changes contact your Validation Representative:
KSC/AC--L. Price 7-3726 KSC/SF--M. DuBost 7-7390
KSC/CO--B. Banks 7-4397 KSC/TS--G. Wyles 7-3962
KSC/DE--R. Raffaelli/ J. Hawley 7-9523
KSC/VO--M. Williams/G. Dixon 7-7282 KSC/SI--M. Konjevich 7-4540
ALL OTHERS (CARGO)--W. Paramore, KSC/CP-PCO (305)867-7540
ALL OTHERS (SHUTTLE)--J. Kent, KSC/SP-PCO (305)867-2126

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